

PROJECT ID: **1310-13-70**  
WITH:

COUNTY: **KENOSHA**

**TOTAL SHEETS = 226**



STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
PLAN OF PROPOSED IMPROVEMENT  
LAKE GENEVA TO I-94 ROAD  
376TH TO 256TH AVE  
STH 50  
KENOSHA COUNTY

| STATE PROJECT | FEDERAL PROJECT |          |
|---------------|-----------------|----------|
|               | PROJECT         | CONTRACT |
| 1310-13-70    | WISC 2010114    | 1        |
|               |                 |          |
|               |                 |          |
|               |                 |          |

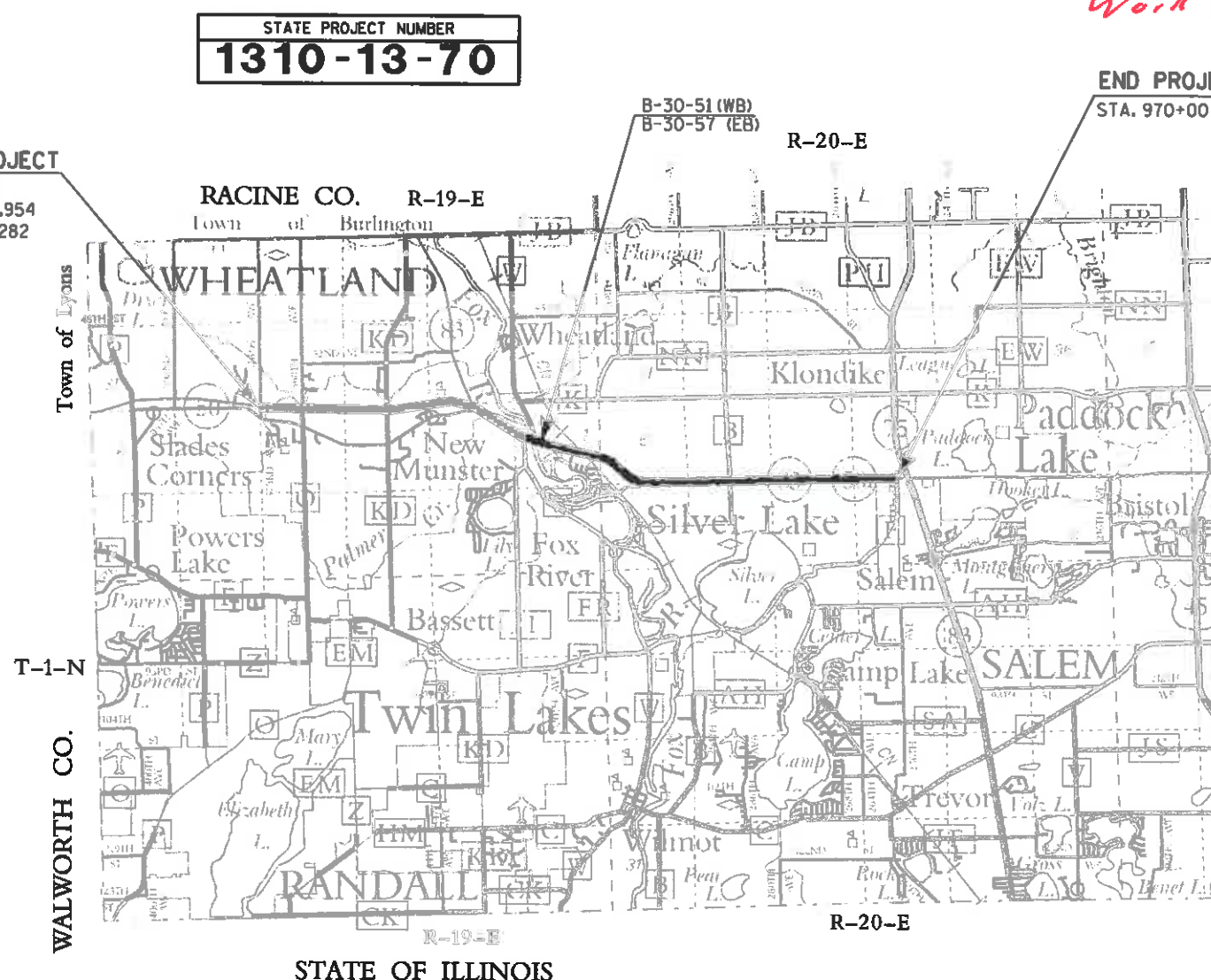
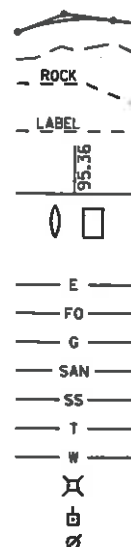
As-Built Plan  
Supervisor: Anita Pusch  
Project Manager: Jason Dahlgren  
Project Leader: Matt Lindstrom  
Prime Contractor: Trierweiler  
Work Started: 07/12/2010  
Work Completed: 11/10/2010

|               |   |                 |
|---------------|---|-----------------|
| A.A.D.T. 2008 | = | 12,600 - 16,800 |
| A.A.D.T. 2010 | = | 13,100 - 17,700 |
| D.H.V.        | = | 1696            |
| O.D.          | = | 62/38           |
| T.            | = | 3.7             |
| DESIGN SPEED  | = | 60              |
| ESALS         | = | 6.321.800       |

### CONVENTIONAL SYMBOLS

WOODED OR SHRUB AREA

TELEPHONE POLE



LAYOUT

SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 7.235 MI.

- "COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY  
COORDINATE SYSTEM (WCCS), 'KENOSHA' COUNTY, NAD 1983 (2007)"  
- "ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH  
AMERICAN VERTICAL DATUM OF 1988 NAV 88 (2007)"

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PREPARED BY

|                     |                            |
|---------------------|----------------------------|
| Surveyor            | WISDOT                     |
| Designer            | MATTHEW SMITH              |
| Project Manager     | PAUL PICCIONE              |
| Regional Examiner   |                            |
| Regional Supervisor | BAD TRAN                   |
| C.O. Examiner       | <i>Carl W. [Signature]</i> |

APPROVED FOR THE DEPARTMENT  
DATE: 12/1/09 Bao Tran  
(Signature)

FILE NAME : J:\projects\D2\_13101350\010101\_T1.dgn

PLOT DATE : 01-DEC-2009 08:58

PLOT BY : dotshw

PLOT NAME :

PLOT SCALE : 200:1

WISDOT/CADDS SHEET 10

**ABBREVIATIONS**

|              |                       |
|--------------|-----------------------|
| ABUT.        | ABUTMENT              |
| A.D.T.       | AVERAGE DAILY TRAFFIC |
| B.F.         | BACK FACE             |
| B.M.         | BENCH MARK            |
| B.O.C.       | BACK OF CURB          |
| CTR.         | CENTER                |
| C.L.         | CENTERLINE            |
| D.           | LANE DISTRIBUTION     |
| D.H.V.       | DESIGN HOURLY VOLUME  |
| DIA.         | DIAMETER              |
| DIM.         | DIMENSION             |
| EL. OR ELEV. | ELEVATION             |
| EXC.         | EXCAVATION            |
| F.F.         | FRONT FACE            |
| MAX.         | MAXIMUM               |
| MIN.         | MINIMUM               |
| NORM.        | NORMAL                |
| O.H.         | OVERHEAD POWER LINE   |
| P.O.L.       | POINT ON LINE         |
| REQ'D        | REQUIRED              |
| RDWY.        | ROADWAY               |
| R.H.F.       | RIGHT HAND FORWARD    |
| S.E.         | SUPERELEVATION        |
| SPA.         | SPACE                 |
| STA.         | STATION               |
| SYM.         | SYMMETRICAL           |
| T.           | PERCENT TRUCKS        |
| TYP.         | TYPICAL               |
| V.           | DESIGN SPEED          |

**ORDER OF SHEETS**

GENERAL NOTES  
PROJECT OVERVIEW  
TYPICAL SECTIONS  
CONSTRUCTION DETAILS  
INTERSECTION DETAILS  
EROSION CONTROL  
PERMANENT SIGNING  
PAVEMENT MARKING  
TRAFFIC CONTROL  
DETOUR  
ALIGNMENT

**GENERAL NOTES**

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT LOCATION THAT ARE NOT SHOWN.

THE CONTRACTOR WILL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A CALL TO THE UTILITIES THAT HAVE INSTALLATIONS WITHIN THE PROJECT AREA.

EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND THE ENGINEER IN THE FIELD.

APPLY FINISHING ITEMS AND TEMPORARY SEEDING TO ALL DISTURBED GRADED AREAS WITHIN 7 CALENDAR DAYS AFTER GRADING IS COMPLETE.

TRAFFIC CONTROL LOCATIONS AS SHOWN IN THE PLAN ARE SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE CONTRACTOR WILL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

DISTURBED LOCATIONS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

RADIUS DIMENSIONS ARE TO THE EDGE OF CONCRETE PAVEMENT UNLESS OTHERWISE NOTED.

**HMA Pavement Type E-1**

| Location   | Asphaltic Material | Nominal Size | Lower Layer Top Layer |        |
|------------|--------------------|--------------|-----------------------|--------|
|            |                    |              |                       |        |
| Side Roads | PG 64-28           | 19.0 mm      | 3-inch                | x      |
|            | PG 64-28           | 12.5 mm      | x                     | 2-inch |
| Shoulders  | PG 64-28           | 19.0 mm      | 3-inch                | x      |
|            | PG 64-28           | 12.5 mm      | x                     | 2-inch |

**UTILITY CONTACTS****WE ENERGIES – GAS**

DAN SANDE  
WE ENERGIES  
333 W. EVERETT ST. A279  
MILWAUKEE, WI 53203  
PHONE: (414) 221-4578

**WE ENERGIES – ELECTRIC**

DAN SANDE  
WE ENERGIES  
333 W. EVERETT ST. A279  
MILWAUKEE, WI 53203  
PHONE: (414) 221-4578

**TDS TELECOM**

MICHAEL JOHNSON  
TDS TELECOM  
20875 CROSSROADS CIRCLE, STE 800  
WAUKESHA, WI 53186  
PHONE: (262) 754-3052

**WISDNR CONTACT**

CRAIG WEBSTER  
141 NW BARSTOW ST. RM 180  
WAUKESHA, WI 53187  
PHONE: (262) 574-2141

**WISCONSIN CENTRAL LTD. d/b/a  
CANADIAN NATIONAL RAILWAY COMPANY**

JACKIE MACEWICZ  
1625 DEPOT STREET  
STEVENS POINT, WI 54481  
PHONE: (715) 345-2503  
Jacqueline.macewicz@cn.ca

**VERIZON**

DENNY BATES  
VERIZON NORTH INC.  
ENGINEERING MANAGER  
118 DIVISION STREET  
PLYMOUTH, WI 53073-0901  
PHONE: (920) 893-7464

**TIME WARNER CABLE**

STEVE CRAMER  
TIME WARNER CABLE  
1320 N. MARTIN LUTHER KING JR. DR.  
MILWAUKEE, WI 53212  
PHONE: (414) 277-4045

**OTHER CONTACTS****WISDOT REGION CONTACT**

PAUL PICCIONE  
WISDOT SOUTHEAST REGION  
WAUKESHA OFFICE  
141 NW BARSTOW ST  
WAUKESHA, WI 53187  
PHONE: (262) 548-6436

**SALEM UTILITY DISTRICT**

BRAD ZAUTCKE  
SALEM UTILITY DISTRICT  
ADMINISTRATOR  
28733 WILMOT ROAD  
TREVOR, WI 53179  
PHONE: (262) 862-2371

**VILLAGE OF PADDOCK LAKE**

JOHN BURG  
VILLAGE OF PADDOCK LAKE  
ADMINISTRATOR  
6969 236<sup>TH</sup> AVE.  
SALEM, WI 53168  
PHONE: (262) 843-2979

**VILLAGE OF PADDOCK LAKE**

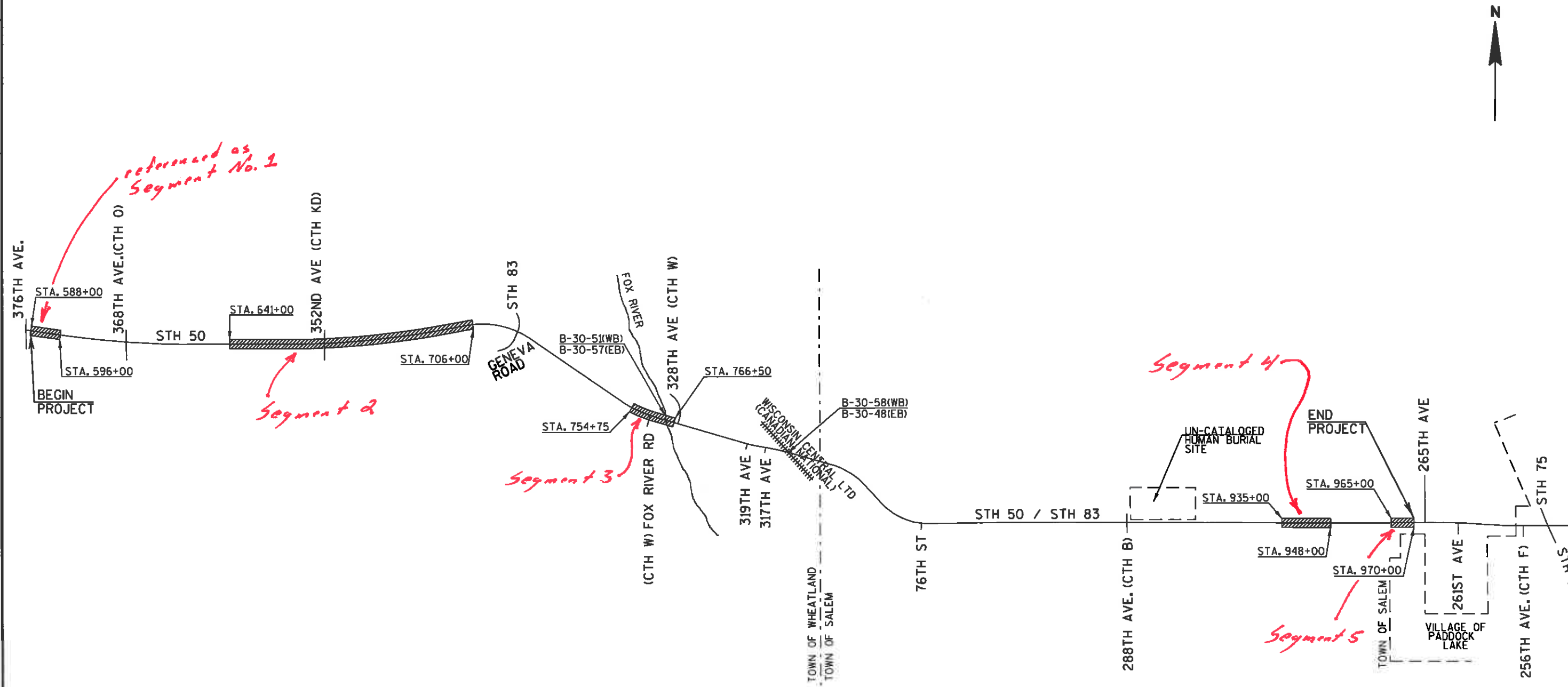
MIKE JOHNSON  
VILLAGE OF PADDOCK LAKE  
SEWER SUPERVISOR  
6969 236<sup>TH</sup> AVE.  
SALEM, WI 53168  
PHONE: (262) 843-2824

**WISDOT ELECTRICAL FIELD UNIT**

935 S 60<sup>TH</sup> ST  
WEST ALLIS, WI 53214  
PHONE: (414) 266-1170

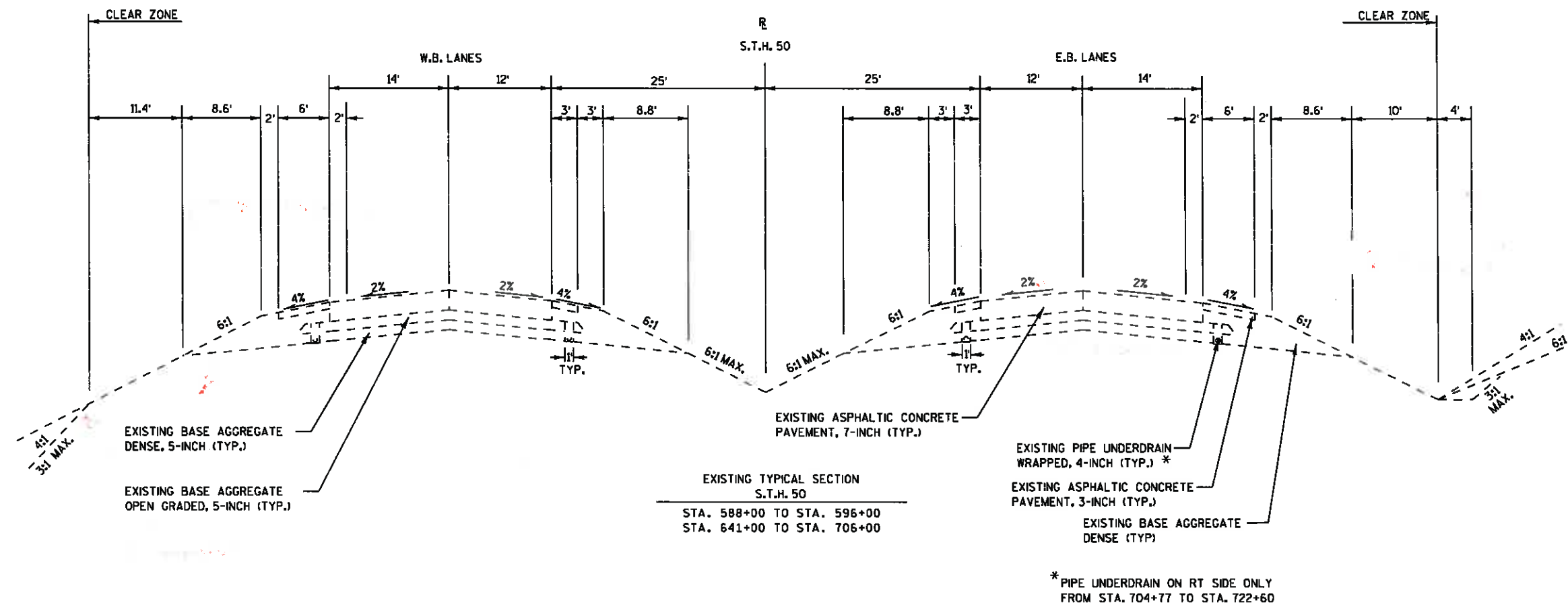


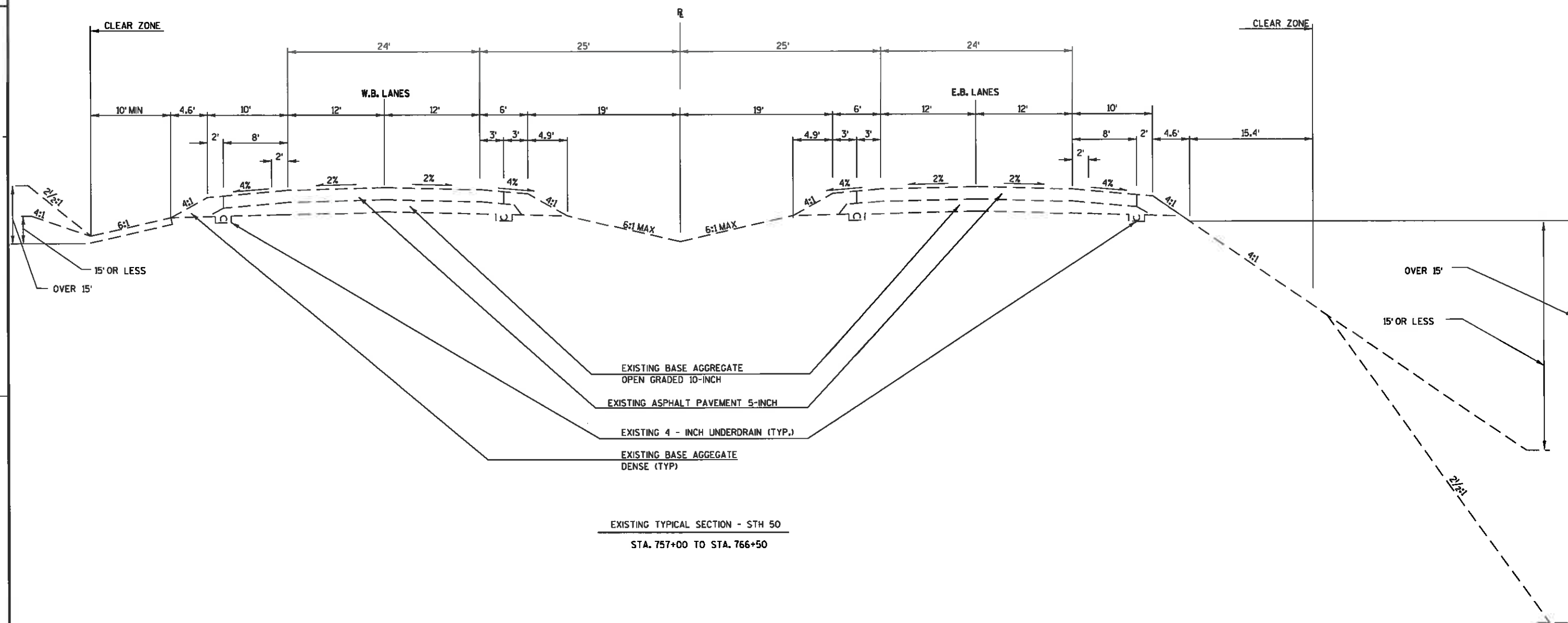
Call 811 3 Work Days Before You Dig  
Or Toll Free (800) 242-8511  
Hearing Impaired TDD (800) 542-2289  
[www.DiggersHotline.com](http://www.DiggersHotline.com)

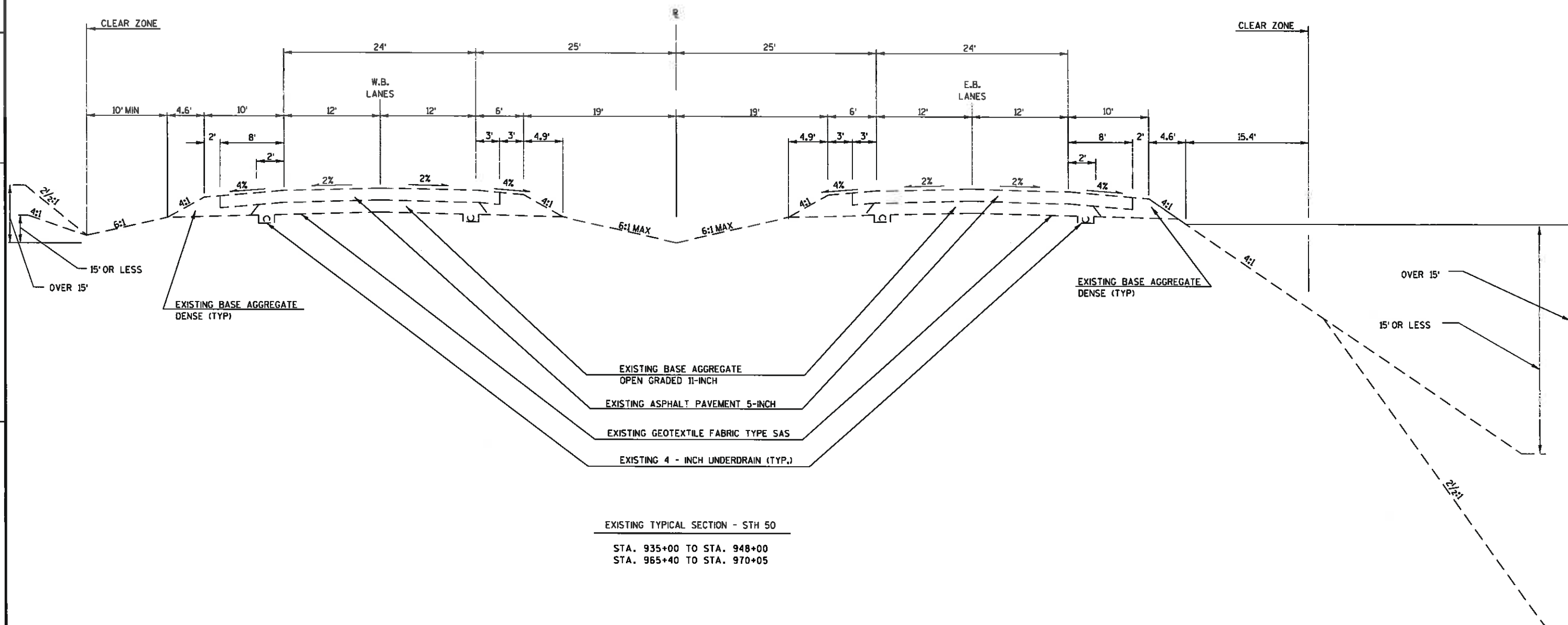


LEGEND

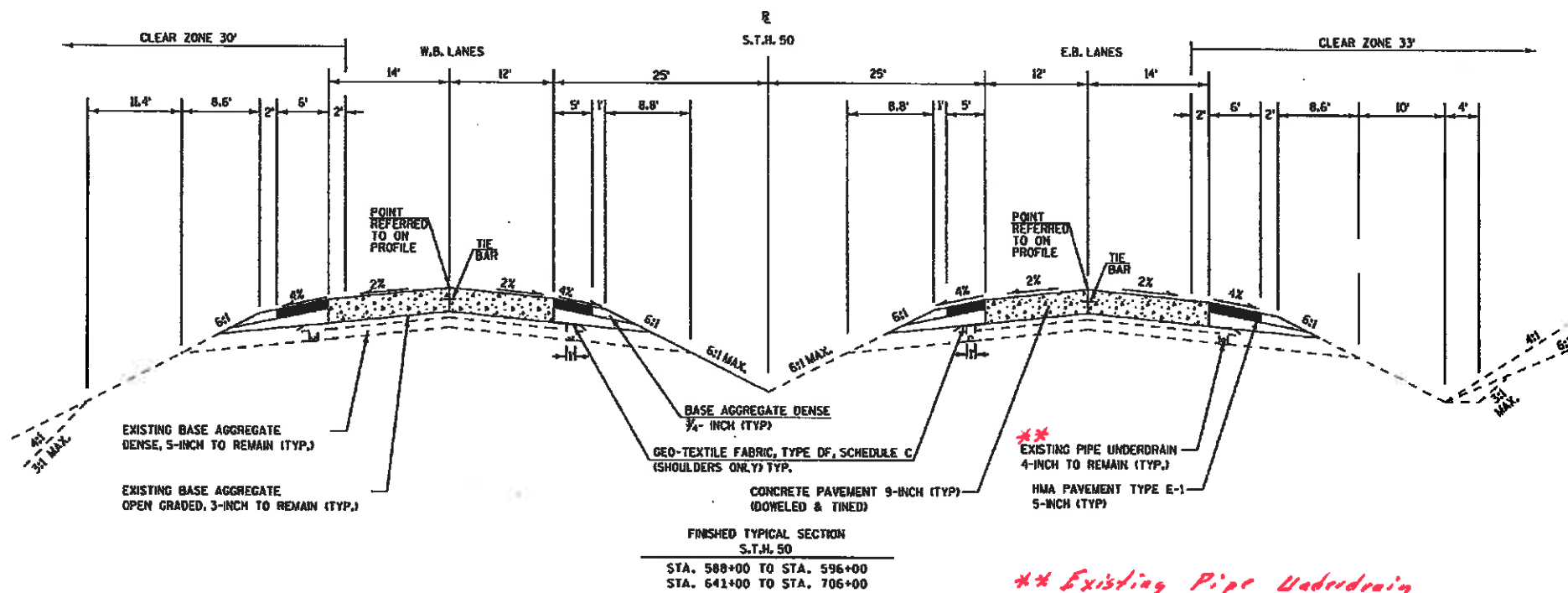
PAVEMENT REPLACEMENT SEGMENTS







Addendum #1  
Revised Sheet 7  
June 2, 2010



*\*\* Existing Pipe Underdrain replaced w/ 6-Inch per S.D.D. 8 D 15-4a*  
*2' Both sides of Roadway for both directions 2' off edge of Conc. Pavement location of outfalls denoted by Pavement Marking Outfall Markers*

PROJECT NO: 1310-13-70

HWY: STH 50

COUNTY: KENOSHA

TYPICALS

SHEET 7

E

FILE NAME : j:\projects\1310-13-70\13101350\020301.TS.DGN

PLOT DATE : 02-JUN-2010 10:08

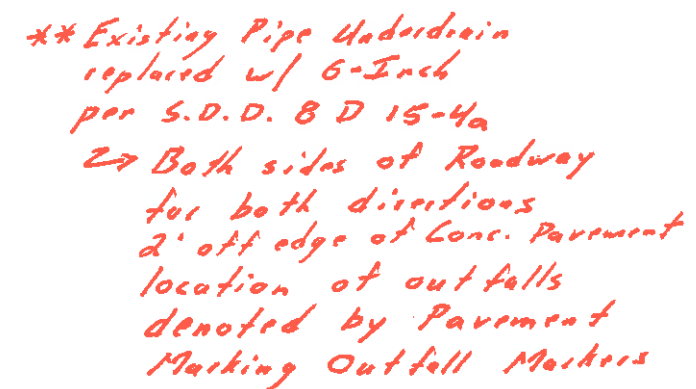
PLOT BY : dotshw

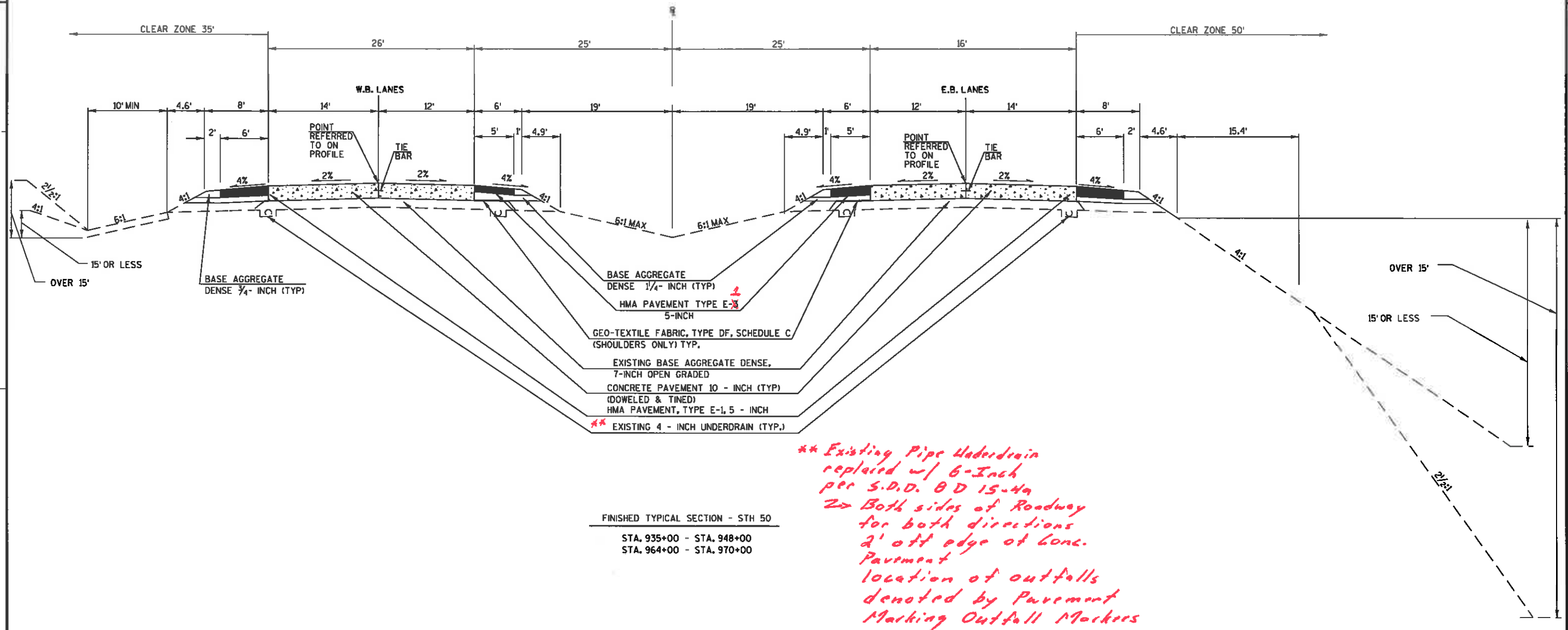
PLOT NAME :

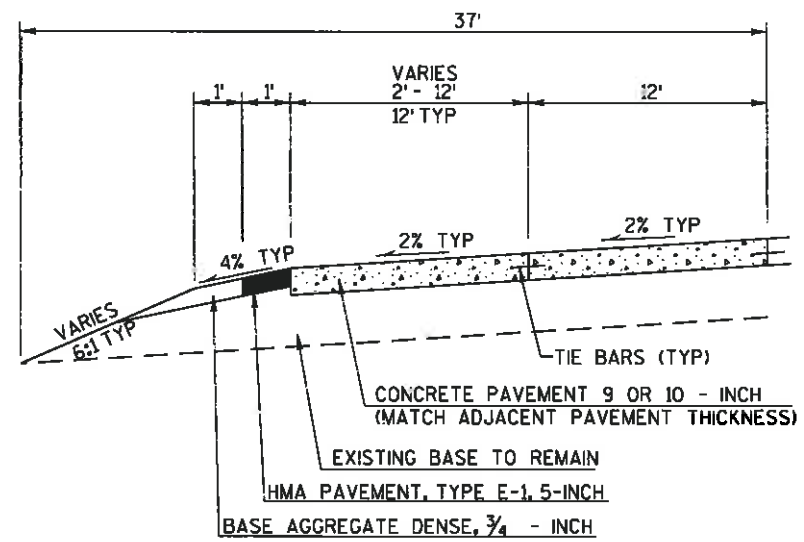
PLOT SCALE : 200:1

WISDOT/CADD SHEET 42

2



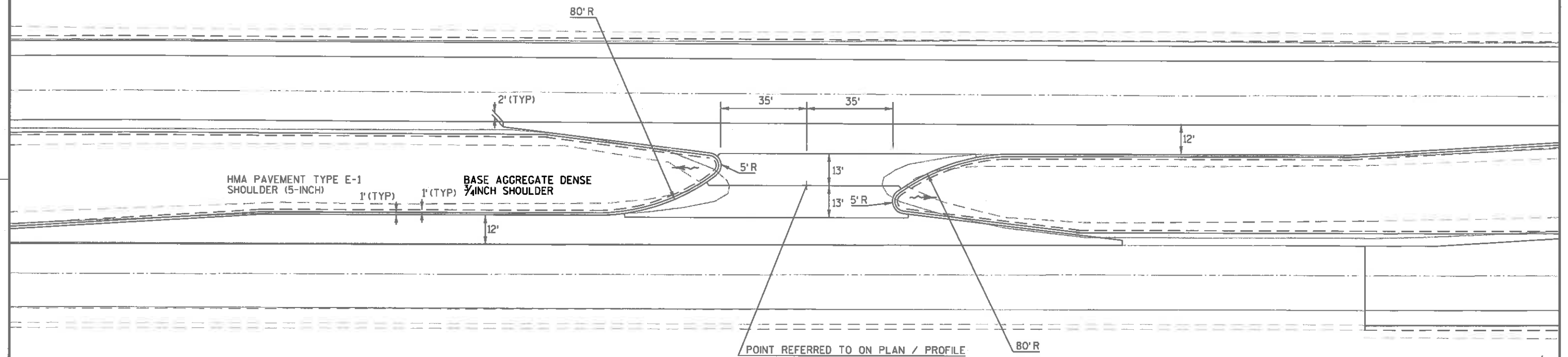




#### LEFT TURN LANE DETAIL

STH 50 AT CTH KD  
STH 50 AT CTH W

EB LEFT TURN LANE SHOWN  
WB LEFT TURN LANE = MIRROR IMAGE

**NOTE:**

1. RADIUS IS TO EDGE OF CONCRETE PAVEMENT.
2. SEE PLAN AND PROFILE FOR TAPER POINT AND CENTER OF RADIATIONS AND OFFSETS.
3. SEE CONSTRUCTION DETAIL "LEFT TURN LANE DETAIL" FOR ADDITIONAL INFO.

**MEDIAN OPENING DETAIL**

STH 50

|             |             |
|-------------|-------------|
| STA. 645+00 | STA. 939+79 |
| STA. 678+60 | STA. 946+50 |
| STA. 697+00 | STA. 966+27 |

3

EARTHWORK SUMMARY

| ID 1310-13-70            |          |                 |                   | A                             | B   | C                         | D               | E                          | F                        | G         |
|--------------------------|----------|-----------------|-------------------|-------------------------------|---|---------------------------|-----------------|----------------------------|--------------------------|-----------|
|                          |          |                 |                   | Item #205.0100                | *   | *                         | *               | *                          | *                        | *         |
| Division                 | Category | From/To Station | Location          | Cut =<br>Common<br>Excavation | Salvaged/<br>Unusable<br>Pavement<br>Material (1) | Available<br>Material (2) | Unexpanded Fill | Expanded Fill<br>(3)<br>CY | Mass Ordinate<br>+/- (4) | Waste (5) |
|                          |          |                 |                   | CY                            | CY  | CY                        |                 | CY                         |                          |           |
| 2                        | 0010     | 588+00 - 596+00 | STH 50 Segment 1  | 742                           | 742   | 0                         | 0               | 0                          | 742                      | 742       |
|                          |          | 641+00 - 706+00 | STH 50 Segment 2  | 6,751                         | 6,751   | 0                         | 0               | 0                          | 6,751                    | 6,751     |
|                          |          | 754+75 - 760+00 | STH 50 Segment 3A | 633                           | 633   | 0                         | 0               | 0                          | 633                      | 633       |
|                          | 0020     | 760+00 - 766+50 | STH 50 Segment 3B | 412                           | 412   | 0                         | 0               | 0                          | 412                      | 412       |
|                          |          | 935+00 - 948+08 | STH 50 Segment 4  | 1,487                         | 1,487   | 0                         | 0               | 0                          | 1,474                    | 1,474     |
|                          |          | 965+23 - 969+84 | STH 50 Segment 5  | 644                           | 644   | 0                         | 0               | 0                          | 644                      | 644       |
| Division 2 Subtotals     |          |                 |                   | 10,668                        | 10,668  | 0                         | 0               | 0                          | 10,655                   | 10,655    |
| 3                        | 0010     | 588+00 - 596+00 | STH 50 Segment 1  | 911                           | 911   | 0                         | 0               | 0                          | 911                      | 911       |
|                          |          | 641+00 - 706+00 | STH 50 Segment 2  | 7,072                         | 7,072   | 0                         | 0               | 0                          | 7,072                    | 7,072     |
|                          |          | 754+75 - 760+00 | STH 50 Segment 3A | 604                           | 604   | 0                         | 0               | 0                          | 604                      | 604       |
|                          | 0020     | 760+00 - 766+50 | STH 50 Segment 3B | 415                           | 415   | 0                         | 0               | 0                          | 415                      | 415       |
|                          |          | 935+00 - 948+08 | STH 50 Segment 4  | 1,377                         | 1,377   | 0                         | 0               | 0                          | 1,367                    | 1,367     |
|                          |          | 965+23 - 969+84 | STH 50 Segment 5  | 476                           | 476   | 0                         | 0               | 0                          | 476                      | 476       |
| Division 3 Subtotals     |          |                 |                   | 10,856                        | 10,856  | 0                         | 0               | 0                          | 10,846                   | 10,846    |
| Category 0010 Sub-Totals |          |                 |                   | 16,713                        |   |                           |                 |                            |                          |           |
| Category 0020 Sub-Totals |          |                 |                   | 4,811                         |   |                           |                 |                            |                          |           |
| Project Totals           |          |                 |                   | 21,524                        | 21,524  | 0                         | 0               | 0                          | 21,501                   | 21,501    |

- 1) Salvaged/Unusable Pavement Material (B) is included in Cut (A). This assumes the existing pavement and base course will be salvaged by the contractor. The existing pavement structure is not shown in the cross sections.
- 2) Available Material (C) = Cut (A) - Salvaged/Unusable Pavement Material (B)
- 3) Expanded Fill (E) = Unexpanded Fill (D) \* Fill Factor
- 4) The Mass Ordinate (F) = Cut (A) - Expanded Fill (E)

Positive Mass Ordinate calculated for the Division indicates an excess of material within the Division.

Negative Mass Ordinate calculated for the Division indicates a shortage of material within the Division.
- 5) Waste (G) = Mass Ordinate (F)
- \* For Information Only

3

3

CONCRETE PAVEMENT ITEMS

|                                 | 415.0090 | 415.0100 | 415.1100 | 415.2000.S. | 416.0050 |
|---------------------------------|----------|----------|----------|-------------|----------|
|                                 | CONCRETE | CONCRETE | CONCRETE | INCENTIVE   | CONCRETE |
|                                 | PAVEMENT | PAVEMENT | PAVEMENT | STRENGTH    | PAVEMENT |
|                                 | 9-INCH   | 10-INCH  | 10-INCH  | CONCRETE    | APPROACH |
|                                 | SY       | SY       | SY       | PAVEMENT    | SLAB     |
|                                 |          |          |          | DOL         | SY       |
| CATEGORY 0010                   |          |          |          |             |          |
| STA 588+00 - STA 598+00 EB & WB | 4,889    | ---      | ---      | 2,445       | ---      |
| STA 641+00 - STA 708+00 EB & WB | 42,486   | ---      | ---      | 21,243      | ---      |
| STA 753+75 - STA 780+00 EB & WB | ---      | 4,165    | ---      | 2,083       | ---      |
| CATEGORY 0010 TOTALS            | 47,375   | 4,165    | ---      | 25,770      | ---      |
| CATEGORY 0020                   |          |          |          |             |          |
| STA 780+00 - STA 786+50 EB & WB | ---      | 2,167    | 80       | 1,258       | 268      |
| STA 935+00 - STA 948+00 EB & WB | ---      | 7,714    | ---      | 3,857       | ---      |
| STA 985+00 - STA 970+00 EB & WB | ---      | 3,516    | ---      | 1,758       | ---      |
| CATEGORY 0020 TOTALS            | ---      | 13,397   | 80       | 6,873       | 268      |
| PROJECT TOTALS                  | 47,375   | 17,562   | 80       | 32,643      | 268      |

ASPHALTIC ITEMS

|                                 | 460.1101 | 455.0605 | 455.0115  | 480.2000    |
|---------------------------------|----------|----------|-----------|-------------|
|                                 | HMA      | TACK     | ASPHALTIC | INCENTIVE   |
|                                 | PAVEMENT | COAT     | MATERIAL  | DENSITY HMA |
|                                 | TYPE E-1 | GAL      | PG 64-22  | PAVEMENT    |
|                                 | TON      |          | TON       | DOL         |
| CATEGORY 0010                   |          |          |           |             |
| STA 588+00 - STA 598+00 EB & WB | 582      | 47       | 34        | 450         |
| STA 641+00 - STA 708+00 EB & WB | 4,027    | 325      | 242       | 3,222       |
| STA 753+75 - STA 780+00 EB & WB | 383      | 31       | 23        | 308         |
| CATEGORY 0010 TOTALS            | 4,972    | 403      | 298       | 3,978       |
| CATEGORY 0020                   |          |          |           |             |
| STA 780+00 - STA 786+50 EB & WB | 531      | 21       | 32        | 425         |
| STA 935+00 - STA 948+00 EB & WB | 1,207    | 40       | 72        | 966         |
| STA 985+00 - STA 970+00 EB & WB | 583      | 19       | 35        | 486         |
| CATEGORY 0020 TOTALS            | 2,321    | 80       | 139       | 1,857       |
| PROJECT TOTALS                  | 7,293    | 483      | 438       | 5,834       |

3

Addendum #1  
Revised Sheet 79  
June 2, 2010

CONCRETE PAVEMENT REPAIR ITEMS

|                                | 416.0610 | 416.0620 | 416.1710 | 416.1715 |
|--------------------------------|----------|----------|----------|----------|
|                                | DRILLED  | DRILLED  | CONCRETE | CONCRETE |
|                                | TIE      | DOWEL    | PAVEMENT | PAVEMENT |
|                                | BAR      | BAR      | REPAIR   | REPAIR   |
|                                | EACH     | EACH     | SY       | SHES     |
|                                |          |          |          | SY       |
| CATEGORY 0010 (STA 588 TO 780) |          |          |          |          |
| STA 598+00 TO STA 641+00       | 10       | 32       | 24       | 16       |
| STA 708+00 - STA 754+75        | 10       | 32       | 24       | 16       |
| CONC PAVT MATCHES              | ---      | 192      | ---      | ---      |
| CATEGORY 0010 TOTALS           | 20       | 256      | 48       | 32       |
| CATEGORY 0020 (STA 780 TO 948) |          |          |          |          |
| STA 786+50 - STA 935+00        | 18       | 56       | 512      | 32       |
| STA 948+00 - STA 984+00        | 154      | 520      | 32       | ---      |
| CONC PAVT MATCHES              | 212      | 188      | ---      | ---      |
| CATEGORY 0020 TOTALS           | 384      | 764      | 544      | 32       |
| PROJECT TOTALS                 | 404      | 1,020    | 592      | 64       |

CONCRETE SURFACE DRAIN ITEMS

|                      |    | 204.0190 | 416.1010 |
|----------------------|----|----------|----------|
|                      |    | REMOVING | CONCRETE |
|                      |    | SURFACE  | SURFACE  |
|                      |    | DRAINS   | DRAIN    |
|                      |    | EACH     | CY       |
| CATEGORY 0020        |    |          |          |
| 785+52               | RT | 1        | 2.0      |
| 785+75               | RT | 1        | 1.1      |
| 785+97               | LT | 1        | 1.1      |
| 786+20               | LT | 1        | 2.5      |
| CATEGORY 0020 TOTALS |    | 4        | 7        |
| PROJECT TOTALS       |    | 4        | 7        |

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

|                      | 485.0120 |
|----------------------|----------|
|                      | TON      |
| CATEGORY 0020        |          |
| STA 948+23           | 15       |
| CATEGORY 0020 TOTALS | 15       |
| PROJECT TOTALS       | 15       |

CONCRETE PAVEMENT GAPS

|               | 416.0805 |
|---------------|----------|
|               | EACH     |
| CATEGORY 0010 |          |
| CTH W(SOUTH)  | 1        |
| PROJECT TOTAL | 1        |

ASPHALTIC SURFACE TEMPORARY

|                       |       | 485.0125 |
|-----------------------|-------|----------|
| STATION               |       | TON      |
| CATEGORY 0010         |       |          |
| STA582+00 - STA588+00 | EB    | 80       |
| STA587+00 - STA598+00 | EB    | 200      |
| STA588+00 - STA598+00 | WB    | 190      |
| STA639+00 - STA708+00 | EB&WB | 2,650    |
| CATEGORY 0010 TOTALS  |       | 3,120    |
| PROJECT TOTALS        |       | 3,120    |

3

ASPHALTIC SHOULDER  
RUMBLE STRIP

| LOCATION                |    | 465.0400 |
|-------------------------|----|----------|
|                         |    | LF       |
| CATEGORY 0010           |    |          |
| STA 588+00 - STA 596+00 | EB | 1,600    |
| STA 588+00 - STA 596+00 | WB | 1,600    |
| STA 641+00 - STA 706+00 | EB | 10,032   |
| STA 641+00 - STA 706+00 | WB | 10,133   |
| STA 754+75 - STA 760+00 | EB | 300      |
| STA 753+75 - STA 760+00 | WB | 1,150    |
| CATEGORY 0010 TOTALS    |    | 24,815   |
|                         |    |          |
| CATEGORY 0020           |    |          |
| STA 760+00 - STA 766+50 | EB | 480      |
| STA 760+00 - STA 766+50 | WB | 695      |
| STA 942+00 - STA 948+00 | EB | 780      |
| STA 935+00 - STA 948+00 | WB | 1,840    |
| STA 965+00 - STA 970+00 | EB | 750      |
| STA 965+22 - STA 969+82 | WB | 500      |
| CATEGORY 0020 TOTALS    |    | 5,045    |
| PROJECT TOTALS          |    | 29,860   |

RESTORATION ITEMS

| LOCATION                | 625.0100 | 628.2004 | 629.0210 | 630.0120 | 630.0200 |
|-------------------------|----------|----------|----------|----------|----------|
|                         | EMAT     |          | SEEDING  |          |          |
|                         | CLASS I  |          | FERT.    | MIXTURE  | TEMP.    |
|                         | TOPSOIL  | TYPE B   | TYPE B   | NO. 20   |          |
|                         | SY       | SY       | CWT      | LB       | LB       |
| CATEGORY 0020           |          |          |          |          |          |
| STA 760+00 - STA 766+85 | 100      | 100      | 0.03     | 7        | 3        |
| PROJECT TOTALS          |          |          |          |          |          |
|                         | 100      | 100      | 0.03     | 7        | 3        |

BEAM GUARD ITEMS

|                      |          | 204.0165  | 205.9006.S       | 614.0115    | 614.0200    | 614.0305 | 614.0370    | 614.0400    |
|----------------------|----------|-----------|------------------|-------------|-------------|----------|-------------|-------------|
|                      |          | REMOVING  | GRADING, SHAPING | ANCHORAGES  | STEEL THRIE | STEEL    | STEEL PLATE |             |
|                      |          | GUARDRAIL | & FINISHING FOR  | FOR         | BEAM        | PLATE    | BEAM GUARD  | ADJUSTING   |
|                      |          |           | BARRIER          | STEEL PLATE | STRUCTURE   | BEAM     | ENERGY      | STEEL PLATE |
|                      |          |           | TERMINALS        | BEAM GUARD  | APPROACH    | GUARD    | ABSORBING   | BEAM GUARD  |
|                      |          |           |                  | TYPE 2      |             | CLASS A  | TERMINAL    |             |
| STATION              | LOCATION | LF        | EACH             | EACH        | LF          | LF       | EACH        | LF          |
| CATEGORY 0010        |          |           |                  |             |             |          |             |             |
| 728+47 TO 728+95     | EB       | 50        | 1                | ---         | ---         | ---      | 1           | ---         |
| 731+10 TO 731+60     | WB       | 50        | 1                | ---         | ---         | ---      | 1           | ---         |
| CATEGORY 0010 TOTALS |          | 100       | 2                | ---         | ---         | ---      | 2           | ---         |
|                      |          |           |                  |             |             |          |             |             |
| CATEGORY 0020        |          |           |                  |             |             |          |             |             |
| 761+26 TO 763+15     | EB       | 189       | 1                | ---         | 21          | 100      | 1           | ---         |
| 761+97 TO 762+67     | WB       | 70        | ---              | 1           | ---         | 75       | ---         | ---         |
| 762+25 to 762+93     | WB       | 70        | ---              | 1           | ---         | 75       | ---         | ---         |
| 762+62 TO 763+40     | EB       | 75        | 1                | ---         | 21          | 50       | 1           | ---         |
| 762+92 TO 763+15     | Median   | ---       | ---              | ---         | ---         | 38       | ---         | ---         |
| 765+61 TO 765+81     | Median   | ---       | ---              | ---         | ---         | 38       | ---         | ---         |
| 765+36 TO 766+08     | WB       | 75        | 1                | ---         | 21          | 100      | 1           | ---         |
| 765+61 TO 766+51     | WB       | 90        | 1                | ---         | 21          | 38       | 1           | ---         |
| 765+81 TO 766+55     | EB       | 75        | ---              | 1           | ---         | 75       | ---         | ---         |
| 766+06 TO 766+83     | EB       | 75        | ---              | 1           | ---         | 75       | ---         | ---         |
| 788+48 TO 788+98     | WB       | 50        | ---              | 1           | ---         | 50       | ---         | ---         |
| 788+58 TO 789+08     | EB       | 50        | 1                | ---         | 21          | 25       | 1           | ---         |
| 793+49 TO 795+74     | EB       | 225       | 1                | ---         | 21          | 125      | 1           | ---         |
| 794+58 TO 795+35     | WB       | 75        | ---              | 1           | ---         | ---      | ---         | ---         |
| 799+17 TO 800+17     | WB       | 100       | 1                | ---         | 21          | 25       | 1           | ---         |
| 797+24 TO 797+50     | WB       | 21        | 1                | ---         | 21          | ---      | 1           | ---         |
| 806+06 TO 807+81     | WB       | 75        | 1                | ---         | ---         | 125      | 1           | ---         |
| 806+67 TO 807+42     | EB       | 75        | ---              | 1           | ---         | 75       | ---         | ---         |
| 908+91 TO 909+66     | EB       | 50        | 1                | ---         | ---         | ---      | 1           | ---         |
| 910+76 TO 912+01     | WB       | 50        | 1                | ---         | ---         | ---      | 1           | 75          |
| 918+72 TO 919+22     | EB       | 50        | 1                | ---         | ---         | ---      | 1           | ---         |
| 920+41 TO 920+91     | WB       | 50        | 1                | ---         | ---         | ---      | 1           | 75          |
| CATEGORY 0020 TOTALS |          | 1,590     | 13               | 7           | 168         | 1,089    | 13          | 150         |
| PROJECT TOTALS       |          | 1,690     | 15               | 7           | 168         | 1,089    | 15          | 150         |

FOR INFORMATION ONLY  
THE ITEM GRADING, SHAPING AND FINISHING FOR BEAM GUARD TERMINALS AND ANCHORAGES INCLUDES THE FOLLOWING ESTIMATED QUANTITIES FOR EACH LOCATION:  
15 CY BORROW, 120 SY TOPSOIL, 0.08 CWT FERTILIZER TYPE B, 3 LB SEEDING MIXTURE NO. 20, 120 SY MULCHING

3

3

3

| LANDMARK REFERENCE MONUMENT    |          |      |
|--------------------------------|----------|------|
| LOCATION                       | 621.0100 | EACH |
| CATEGORY 0010                  |          |      |
| PI STA 756+21.59               | 1        |      |
| PROJECT TOTAL                  | 1        |      |
| DUST CONTROL SURFACE TREATMENT |          |      |
| LOCATION                       | 623.0200 | SY   |
| CATEGORY 0010                  |          |      |
| STA 588+00 - STA 596+00        | 7,100    |      |
| STA 641+00 - STA 706+00        | 49,100   |      |
| STA 754+00 - STA 760+00        | 5,900    |      |
| CATEGORY 0010 TOTALS           | 62,100   |      |
| CATEGORY 0020                  |          |      |
| STA 760+00 - STA 767+00        | 3,600    |      |
| STA 935+00 - STA 948+00        | 10,200   |      |
| STA 965+00 - STA 970+00        | 4,600    |      |
| CATEGORY 0020 TOTALS           | 18,400   |      |
| PROJECT TOTALS                 | 80,500   |      |

| EROSION CONTROL ITEMS   |            |                   |                        |                       |                         |                        |           |                     |                                       |                                       |  |
|-------------------------|------------|-------------------|------------------------|-----------------------|-------------------------|------------------------|-----------|---------------------|---------------------------------------|---------------------------------------|--|
| LOCATION                | 628.1504   | 628.1520          | 628.1905               | 628.1910              | 628.7005                | 628.7504               | 631.0300  | 631.1100            | SPV.0060.01                           | SPV.0060.02                           | SPV.0060.03                            |
|                         | SILT FENCE | SILT FENCE MAINT. | MOBIL. EROSION CONTROL | EMER. EROSION CONTROL | INLET PROTECTION TYPE A | TEMPORARY DITCH CHECKS | WATER SOD | SOD EROSION CONTROL | EROSION CONTROL FILTER BAGS DELIVERED | EROSION CONTROL FILTER BAGS INSTALLED | EROSION CONTROL FILTER BAGS MAINTAINED |
|                         | LF         | LF                | EACH                   | EACH                  | EACH                    | LF                     | MGAL      | SY                  | EACH                                  | EACH                                  | EACH                                   |
| CATEGORY 0010           |            |                   |                        |                       |                         |                        |           |                     |                                       |                                       |  |
| STA 588+00 - STA 596+00 | ---        | ---               | ---                    | ---                   | 1                       | ---                    | ---       | ---                 | 32                                    | 32                                    | 32                                     |
| STA 641+00 - STA 706+00 | ---        | ---               | ---                    | ---                   | 9                       | ---                    | ---       | ---                 | 64                                    | 64                                    | 64                                     |
| STA 754+00 - STA 760+00 | ---        | ---               | ---                    | ---                   | 1                       | ---                    | ---       | ---                 | ---                                   | ---                                   | ---                                    |
| UNDISTRIBUTED           | ---        | ---               | 2                      | 2                     | 2                       | ---                    | ---       | ---                 | 24                                    | 24                                    | 24                                     |
| CATEGORY 0010 TOTALS    | 0          | 0                 | 2                      | 2                     | 13                      | 0                      | 0         | 0                   | 120                                   | 120                                   | 120                                    |
| CATEGORY 0020           |            |                   |                        |                       |                         |                        |           |                     |                                       |                                       |  |
| STA 760+00 - STA 767+00 | 160        | 160               | ---                    | ---                   | 2                       | 100                    | 34        | 200                 | 64                                    | 64                                    | 64                                     |
| STA 935+00 - STA 948+00 | ---        | ---               | ---                    | ---                   | 3                       | ---                    | ---       | ---                 | 64                                    | 64                                    | 64                                     |
| STA 965+00 - STA 970+00 | ---        | ---               | ---                    | ---                   | 2                       | ---                    | ---       | ---                 | 32                                    | 32                                    | 32                                     |
| UNDISTRIBUTED           | 40         | 40                | 1                      | 1                     | 2                       | 25                     | 8         | 50                  | 40                                    | 40                                    | 40                                     |
| CATEGORY 0020 TOTALS    | 200        | 200               | 1                      | 1                     | 9                       | 125                    | 42        | 250                 | 200                                   | 200                                   | 200                                    |
| PROJECT TOTALS          | 200        | 200               | 3                      | 3                     | 22                      | 125                    | 42        | 250                 | 320                                   | 320                                   | 320                                    |

| GEOTEXTILE FABRIC TYPE DF SCHEDULE C |          |       |
|--------------------------------------|----------|-------|
| LOCATION                             | 645.0113 | SY    |
| CATEGORY 0010                        |          |       |
| STA 753+75 - STA 760+00              | WB       | 1,111 |
| STA 754+75 - STA 760+00              | EB       | 933   |
| CATEGORY 0010 TOTALS                 |          | 2,044 |
| CATEGORY 0020                        |          |       |
| STA 760+00 - STA 763+00              | WB       | 533   |
| STA 760+00 - STA 763+00              | EB       | 533   |
| STA 765+50 - STA 766+80              | WB       | 231   |
| STA 765+50 - STA 766+00              | EB       | 89    |
| STA 935+00 - STA 948+08              | WB       | 2,311 |
| STA 942+00 - STA 948+00              | EB       | 1,067 |
| STA 965+22 - STA 969+82              | EB& WB   | 1,778 |
| CATEGORY 0020 TOTALS                 |          | 6,542 |
| PROJECT TOTALS                       |          | 8,586 |

| CONSTRUCTION STAKING CONCRETE PAVEMENT |          |        |
|--|----------|--------|
| LOCATION                               | 650.7000 | LF     |
| CATEGORY 0010                          |          |        |
| STA 588+00 - STA 596+00                | EB& WB   | 1,600  |
| STA 641+00 - STA 706+00                | EB& WB   | 13,000 |
| STA 753+75 - STA 760+00                | WB       | 625    |
| STA 754+75 - STA 760+00                | EB       | 525    |
| CATEGORY 0010 TOTALS                   |          | 15,750 |
| CATEGORY 0020                          |          |        |
| STA 760+00 - STA 766+00                | WB       | 350    |
| STA 760+00 - STA 766+85                | EB       | 435    |
| STA 935+00 - STA 948+08                | WB       | 1,308  |
| STA 942+00 - STA 948+00                | EB       | 608    |
| STA 965+22 - STA 969+82                | EB& WB   | 920    |
| CATEGORY 0020 TOTALS                   |          | 3,621  |
| PROJECT TOTALS                         |          | 19,371 |

| PERMANENT PAVEMENT MARKING ITEMS |          |   |  |   |  |  |
|----------------------------------|----------|---|--|---|--|--|
| STATION                          | LOCATION | 646.0106 PAVEMENT MARKING EPOXY 4-INCH (WHITE) LF | 646.0841.S PAVEMENT MARKING EPOXY 4-INCH (YELLOW) LF | 646.0843.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (WHITE - LANE LINES) LF | 646.0843.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE - CHAN. LINES) LF | 647.0566 PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE) LF |
| CATEGORY 0010                    |          |   |  |   |  |  |
| 587+10 TO 613+00                 | EB & WB  | 5,120   | 5,000  | 1,300   | 760  | 130  |
| 613+00 TO 666+35                 | EB & WB  | 10,350  | 9,800  | 2,675   | 1,770  | 70   |
| 666+35 TO 718+50                 | EB & WB  | 10,200  | 9,640  | 2,600   | 1,920  | 160  |
| 718+50 TO 760+00                 | EB & WB  | 8,200   | 7,100  | 2,075   | 1,870  | ---  |
| CATEGORY 0010 TOTALS             |          | 33,870  | 31,540   | 8,650   | 6,320  | 360  |
|                                  |          | 65,410  |  |   |  |  |
| CATEGORY 0020                    |          |   |  |   |  |  |
| 760+00 TO 792+00                 | EB & WB  | 6,000   | 5,400  | 1,600   | 1,670  | 110  |
| 792+00 TO 839+00                 | EB & WB  | 9,280   | 8,720  | 2,350   | 1,760  | 30   |
| 839+00 TO 887+00                 | EB & WB  | 9,550   | 9,100  | 2,400   | 1,700  | ---  |
| 899+50 TO 935+00                 | EB & WB  | 7,100   | 6,700  | 1,775   | 1,330  | ---  |
| 935+00 TO 970+00                 | EB & WB  | 7,000   | 6,400  | 1,750   | 1,520  | ---  |
| CATEGORY 0020 TOTALS             |          | 38,930  | 36,320   | 9,875   | 7,980  | 140  |
|                                  |          | 75,250  |  |   |  |  |
| PROJECT TOTALS                   |          | 140,660   |  | 18,525  | 14,300   | 500  |

TRAFFIC CONTROL ITEMS

| LOCATION                       | 643.0300                         |   | 643.0420   |   | 643.0705<br>TRAFFIC<br>CONTROL<br>WARNING<br>LIGHTS<br>TYPE A   |   | 643.0715<br>TRAFFIC<br>CONTROL<br>WARNING<br>LIGHTS<br>TYPE C |   | 643.0800 |   | 643.0900 |    | 643.3000 |     |        |
|--------------------------------|----------------------------------|---|--|---|---|---|---|---|----------|---|----------|----|----------|-----|--------|
|                                | *<br>ASSUMED<br>DURATION<br>DAYS | TRAFFIC<br>CONTROL<br>DRUMS<br>*#    DAYS | TRAFFIC<br>CONTROL<br>BARRICADES<br>TYPE III<br>*#    DAYS | TRAFFIC<br>CONTROL<br>WARNING<br>LIGHTS<br>TYPE A<br>*#    DAYS | TRAFFIC<br>CONTROL<br>WARNING<br>LIGHTS<br>TYPE C<br>*#    DAYS | TRAFFIC<br>CONTROL<br>ARROW<br>BOARDS<br>*#    DAYS | TRAFFIC<br>CONTROL<br>SIGNS<br>*#    DAYS                     | TRAFFIC<br>CONTROL<br>DETOUR<br>SIGNS<br>*#    DAYS |          |   |          |    |          |     |        |
|                                |                                  |   |  |   |   |   |   |   |          |   |          |    |          |     |        |
| CATEGORY 0010 (STA 588 TO 760) |                                  |   |  |   |   |   |   |   |          |   |          |    |          |     |        |
| STAGE 1                        | 14                               | 460                                       | 6,440  | 21  | 294   | 42  | 588   | 52  | 728      | 4 | 56       | 64 | 896      | 0   | ---    |
| STAGE 2                        | 50                               | 580                                       | 29,000   | 38  | 1,900   | 76  | 3,800   | 74  | 3,700    | 2 | 100      | 78 | 3,900    | 164 | 8,200  |
| STAGE 2 - CTH KD DETOUR        | 50                               | 0   | ---  | 8   | 400   | 16  | 800   | 0   | ---      | 0 | ---      | 0  | ---      | 0   | ---    |
| STAGE 3                        | 50                               | 610                                       | 30,500   | 39  | 1,950   | 78  | 3,900   | 74  | 3,700    | 2 | 100      | 72 | 3,600    | 168 | 8,400  |
| STAGE 3 - UNDISTRIBUTED        | 50                               | 120                                       | 6,000  | 2   | 100   | 4   | 200   | 28  | 1,400    | 4 | 200      | 20 | 1,000    | 0   | ---    |
| STAGE 3 - CTH KD DETOUR        | 50                               | 0   | ---  | 8   | 400   | 16  | 800   | 0   | ---      | 0 | ---      | 0  | ---      | 0   | ---    |
| CATEGORY 0010 TOTALS           |                                  |   | 71,940   |   | 5,044   |   | 10,088  |   | 9,528    |   | 456      |    | 9,396    |     | 16,600 |
| CATEGORY 0020 (STA 760 TO 948) |                                  |   |  |   |   |   |   |   |          |   |          |    |          |     |        |
| STAGE 1                        | 14                               | 0   | ---  | 0   | ---   | 0   | ---   | 0   | ---      | 0 | ---      | 0  | ---      | 0   | ---    |
| STAGE 2                        | 50                               | 290                                       | 14,500   | 17  | 850   | 34  | 1,700   | 102   | 5,100    | 6 | 300      | 60 | 3,000    | 0   | ---    |
| STAGE 2 - UNDISTRIBUTED        | 50                               | 120                                       | 6,000  | 2   | 100   | 4   | 200   | 28  | 1,400    | 4 | 200      | 20 | 1,000    | 0   | ---    |
| STAGE 3                        | 50                               | 320                                       | 16,000   | 19  | 950   | 38  | 1,900   | 102   | 5,100    | 6 | 300      | 58 | 2,900    | 0   | ---    |
| STAGE 3 - UNDISTRIBUTED        | 50                               | 120                                       | 6,000  | 2   | 100   | 4   | 200   | 28  | 1,400    | 4 | 200      | 20 | 1,000    | 0   | ---    |
| CATEGORY 0020 TOTALS           |                                  |   | 42,500   |   | 2,000   |   | 4,000   |   | 13,000   |   | 1,000    |    | 7,900    |     | ---    |
| PROJECT TOTALS                 |                                  |   | 114,440  |   | 7,044   |   | 14,088  |   | 22,528   |   | 1,456    |    | 17,296   |     | 16,600 |

\*= FOR INFORMATION ONLY

TRAFFIC CONTROL COVERING SIGNS

| LOCATION      | 643.0905.S EACH |
|---------------|-----------------|
| CATEGORY 0010 |                 |
| UNDISTRIBUTED | 15              |
| CATEGORY 0020 |                 |
| UNDISTRIBUTED | 15              |
| PROJECT TOTAL | 30              |

TRAFFIC CONTROL SIGNS FIXED MESSAGE

| LOCATION                   | 643.1000 SF |
|----------------------------|-------------|
| CATEGORY 0010              |             |
| EASTBOUND PROJECT APPROACH | 25.33       |
| CATEGORY 0020              |             |
| WESTBOUND PROJECT APPROACH | 25.33       |
| PROJECT TOTAL              | 50.66       |

SAWING ASPHALT

|                         |        |          |
|-------------------------|--------|----------|
|                         |        | 690.0150 |
| LOCATION                |        | LF       |
| CATEGORY 0010           |        |          |
| STA 588+00 - STA 596+00 | EB& WB | 1,600    |
| STA 641+00 - STA 706+00 | EB& WB | 13,000   |
| STA 754+75 - STA 760+00 | EB& WB | 1,050    |
| CTH KD (NORTH)          |        | 100      |
| CTH KD (SOUTH)          |        | 100      |
| CATEGORY 0010 TOTALS    |        | 15,850   |

|                         |          |        |
|-------------------------|----------|--------|
| CATEGORY 0020           |          |        |
| STA 760+00 - STA 766+00 | WB       | 350    |
| STA 760+00 - STA 766+85 | EB       | 435    |
| STA 935+00 - STA 948+08 | WB       | 1,308  |
| STA 942+00 - STA 948+00 | EB       | 608    |
| STA 965+22 - STA 969+82 | EB& WB   | 920    |
| STA 943+26              | DRIVEWAY | 40     |
| CTH W (SOUTH)           |          | 115    |
| CATEGORY 0020 TOTALS    |          | 3,776  |
| PROJECT TOTALS          |          | 19,626 |

SAWING CONCRETE

| LOCATION                | 690.0250 LF |
|-------------------------|-------------|
| CATEGORY 0010           |             |
| STA 753+75              | 36          |
| STA 753+75 - STA 754+75 | 100         |
| CATEGORY 0010 TOTALS    | 136         |
| CATEGORY 0020           |             |
| PAVEMENT REPAIR         | 1,920       |
| CATEGORY 0020 TOTALS    | 1,920       |
| PROJECT TOTALS          | 2,056       |

3

TEMPORARY PAVEMENT MARKING

| LOCATION                       | 649.0100                |                          | 649.0400                        |                                  | 649.0801                        |
|--------------------------------|-------------------------|--------------------------|---------------------------------|----------------------------------|---------------------------------|
|                                |                         |                          | REMOVABLE                       | REMOVABLE                        | REMOVABLE                       |
|                                | 4-INCH<br>(WHITE)<br>LF | 4-INCH<br>(YELLOW)<br>LF | TAPE<br>4-INCH<br>(WHITE)<br>LF | TAPE<br>4-INCH<br>(YELLOW)<br>LF | TAPE<br>8-INCH<br>(WHITE)<br>LF |
| CATEGORY 0010 (STA 588 TO 760) |                         |                          |                                 |                                  |                                 |
| STAGE 1 LANE DROP TAPERS       | ---                     | ---                      | 1,440                           | ---                              | ---                             |
| STAGE 1 EDGE LINES             | ---                     | ---                      | ---                             | ---                              | ---                             |
| STAGE 2 LANE DROP TAPERS       | ---                     | ---                      | ---                             | 720                              | ---                             |
| STAGE 2 EDGE LINES EB          | 8,400                   | 8,400                    | 1,350                           | 1,350                            | ---                             |
| STAGE 2 EDGE LINES WB          | 8,400                   | 8,400                    | 1,350                           | 1,350                            | ---                             |
| STAGE 3 LANE DROP TAPERS       | ---                     | ---                      | 720                             | ---                              | ---                             |
| STAGE 3 EDGE LINES EB          | ---                     | ---                      | 9,300                           | 9,300                            | ---                             |
| STAGE 3 EDGE LINES WB          | ---                     | ---                      | 9,300                           | 9,300                            | ---                             |
|                                | 16,800                  | 16,800                   | 23,460                          | 22,020                           |                                 |
| CATEGORY 0010 TOTALS           | 33,600                  |                          | 45,480                          |                                  | ---                             |
| CATEGORY 0020 (STA 760 TO 948) |                         |                          |                                 |                                  |                                 |
| STAGE 2 LANE DROP TAPERS       | ---                     | ---                      | ---                             | 2,160                            | ---                             |
| STAGE 2 EDGE LINES EB          | 2,550                   | 2,550                    | 1,350                           | 1,350                            | ---                             |
| STAGE 2 EDGE LINES WB          | 2,550                   | 2,550                    | 2,700                           | 2,700                            | ---                             |
| STAGE 3 LANE DROP TAPERS       | ---                     | ---                      | 2,160                           | ---                              | ---                             |
| STAGE 3 EDGE LINES EB          | ---                     | ---                      | 3,450                           | 3,450                            | ---                             |
| STAGE 3 EDGE LINES WB          | ---                     | ---                      | 3,450                           | 3,450                            | 100                             |
|                                | 5,100                   | 5,100                    | 13,110                          | 13,110                           |                                 |
| CATEGORY 0020 TOTALS           | 10,200                  |                          | 26,220                          |                                  | 100                             |
| PROJECT TOTALS                 | 43,800                  |                          | 71,700                          |                                  | 100                             |

REMOVING PAVEMENT MARKINGS

| LOCATION                                      | 646.0600<br>LF |
|---|----------------|
| CATEGORY 0010 (STA 588 TO 760)                |                |
| STAGE 1 LANE LINE THRU EB LANE DROP           | 175            |
| STAGE 2 - OUTSIDE EDGE LINE EB                | 8,950          |
| STAGE 2 - OUTSIDE EDGE LINE WB                | 8,950          |
| STAGE 3 - INSIDE EDGE LINE IN SHIFT TAPERS EB | 900            |
| STAGE 3 - INSIDE EDGE LINE IN SHIFT TAPERS WB | 900            |
| CATEGORY 0010 TOTALS                          | 19,875         |
| CATEGORY 0020 (STA 760 TO 948)                |                |
| STAGE 2 - OUTSIDE EDGE LINE EB                | 3,900          |
| STAGE 2 - OUTSIDE EDGE LINE WB                | 3,900          |
| STAGE 2 - LANE LINE THRU LANE DROPS           | 525            |
| STAGE 3 - INSIDE EDGE LINE IN SHIFT TAPERS EB | 900            |
| STAGE 3 - INSIDE EDGE LINE IN SHIFT TAPERS WB | 900            |
| CATEGORY 0020 TOTALS                          | 10,125         |
| PROJECT TOTALS                                | 30,000         |

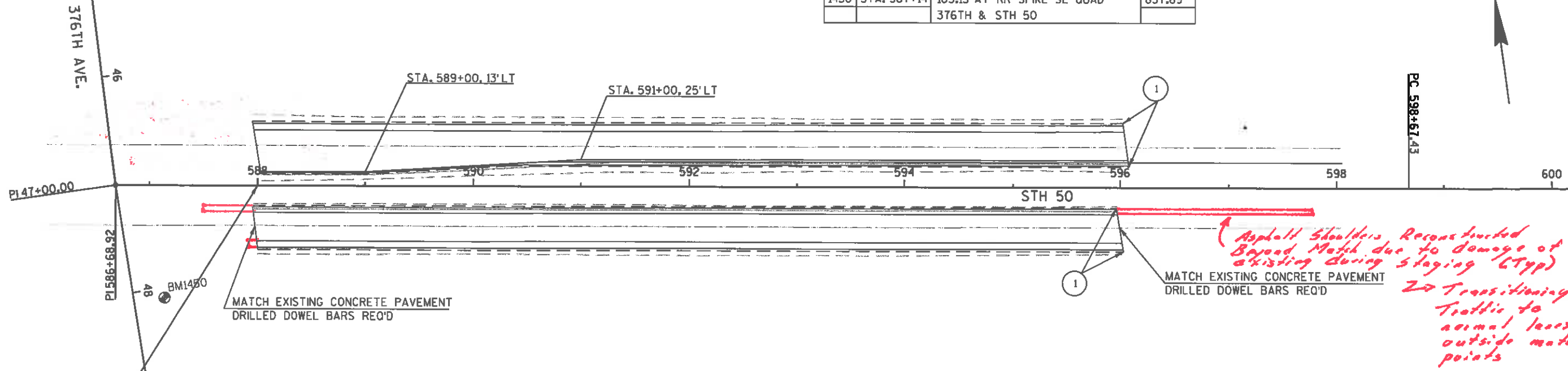
CONSTRUCTION STAKING  
SLOPE STAKES

| LOCATION                |    | 650.9920<br>LF |
|-------------------------|----|----------------|
| CATEGORY 0010           |    |                |
| STA 588+00 - STA 596+00 | EB | 800            |
| STA 588+00 - STA 596+00 | WB | 800            |
| STA 641+00 - STA 706+00 | EB | 6,500          |
| STA 641+00 - STA 706+00 | WB | 6,500          |
| STA 754+75 - STA 760+00 | EB | 525            |
| STA 753+75 - STA 760+00 | WB | 625            |
| CATEGORY 0010 TOTALS    |    | 15,750         |
| CATEGORY 0020           |    |                |
| STA 760+00 - STA 766+75 | EB | 425            |
| STA 760+00 - STA 766+00 | WB | 350            |
| STA 935+00 - STA 948+00 | EB | 1,300          |
| STA 935+00 - STA 948+00 | WB | 1,300          |
| STA 965+22 - STA 969+82 | EB | 460            |
| STA 965+22 - STA 969+82 | WB | 460            |
| CATEGORY 0020 TOTALS    |    | 4,295          |
| PROJECT TOTALS          |    | 20,045         |

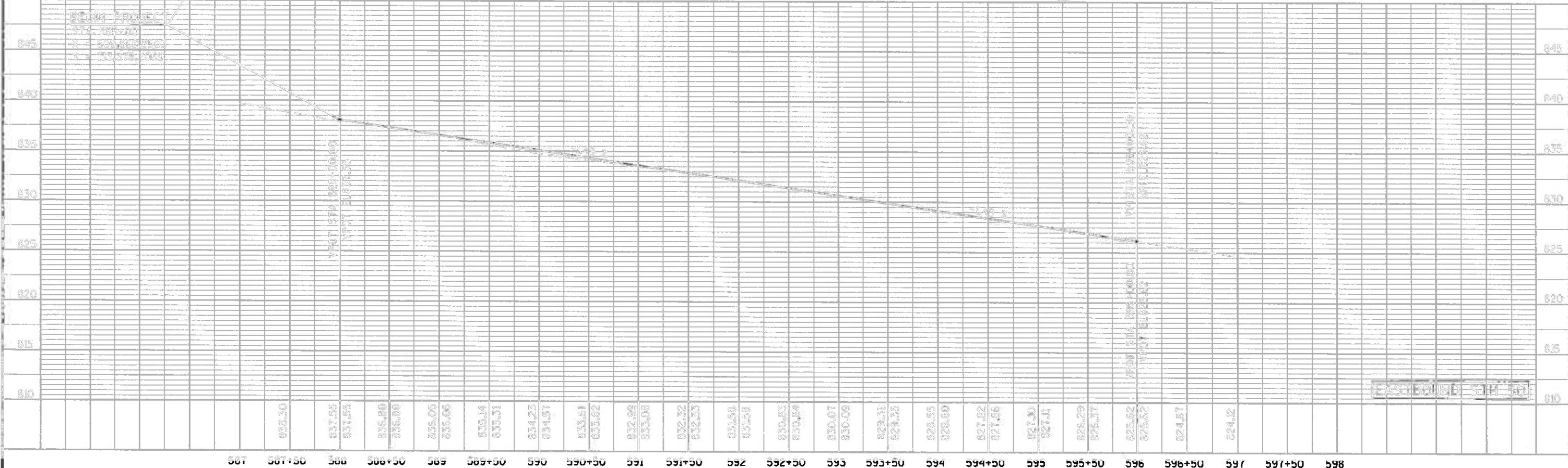
TEMPORARY CONCRETE BARRIER ITEMS

| LOCATION                            | 603.0500  | 603.0801   | 614.0905                      |
|-------------------------------------|---|--|-------------------------------|
|                                     | CONC. BARR.<br>TEMPORARY<br>PRECAST<br>CONTRACTOR<br>FURNISHED AND<br>DELIVERED | CONC. BARR.<br>TEMPORARY<br>PRECAST<br>CONTRACTOR<br>INSTALLED | CRASH<br>CUSHION<br>TEMPORARY |
|                                     | LF  | LF   | EACH                          |
| CATEGORY 0020                       |   |  |                               |
| STAGE 2 @ FOX RIVER BRIDGES EB & WB | 925   | 925  | 2                             |
| STAGE 3 @ FOX RIVER BRIDGES EB & WB | ---   | 925  | 2                             |
| CATEGORY 0020 TOTALS                | 925   | 1,850  | 4                             |
| PROJECT TOTALS                      | 925   | 1,850  | 4                             |

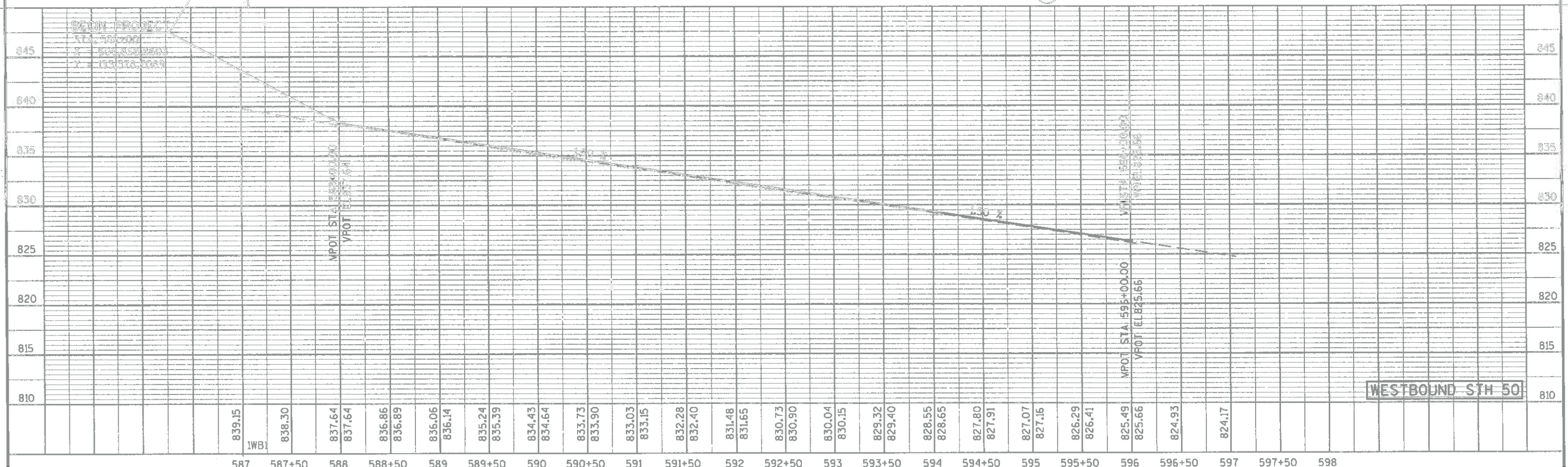
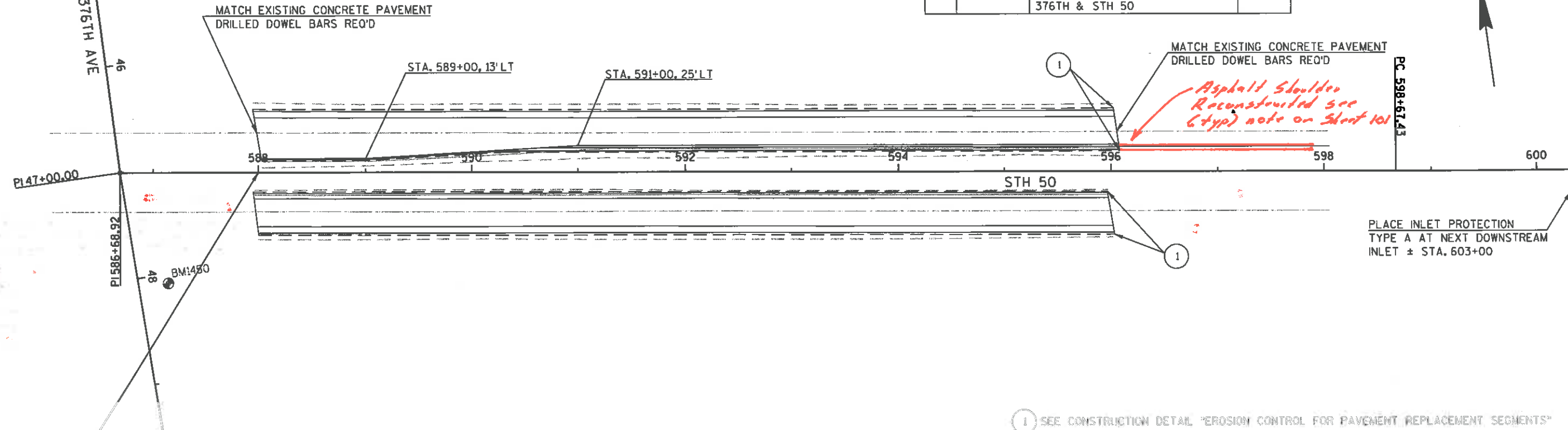
| BENCH MARKS |             |   |        |
|-------------|-------------|---|--------|
| NO.         | STATION     | DESCRIPTION                                   | ELEV.  |
| 1450        | STA. 587+14 | 103.15' AT RR SPIKE SE QUAD<br>376TH & STH 50 | 837.89 |



SEE CONSTRUCTION DETAIL "EROSION CONTROL FOR PAVEMENT REPLACEMENT SEGMENTS"



| BENCH MARKS |             |   |        |
|-------------|-------------|---|--------|
| NO.         | STATION     | DESCRIPTION                                   | ELEV.  |
| 1450        | STA. 587+14 | 103.15' AT RR SPIKE SE QUAD<br>376TH & STH 50 | 837.89 |



PROJECT NO: 1310-13-70

HWY: STH 50

COUNTY: KENOSHA

PLAN AND PROFILE

SHEET

102

E

FILE NAME : J:\projects\1310-13-70\13101350\050102\_PP.dgn

PLOT DATE : 01-DEC-2009 09:04

PLOT BY : dotshw

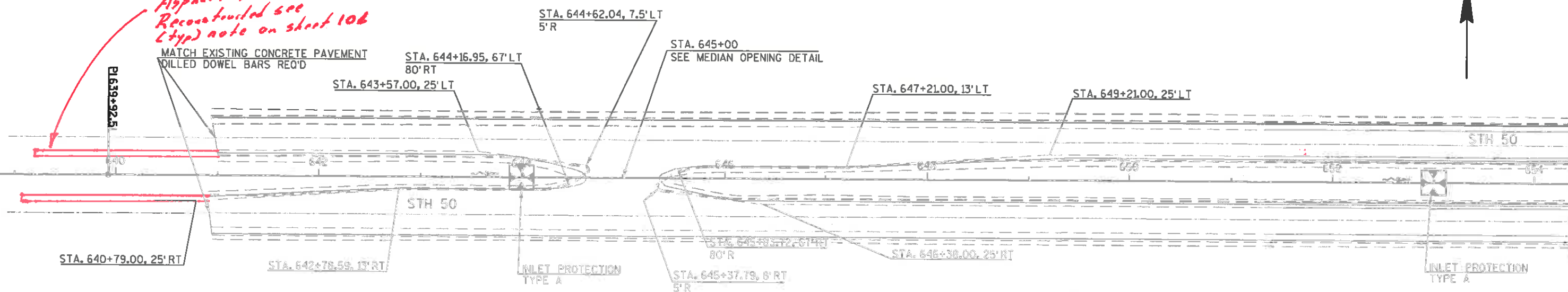
PLOT NAME :

PLOT SCALE : 100:1

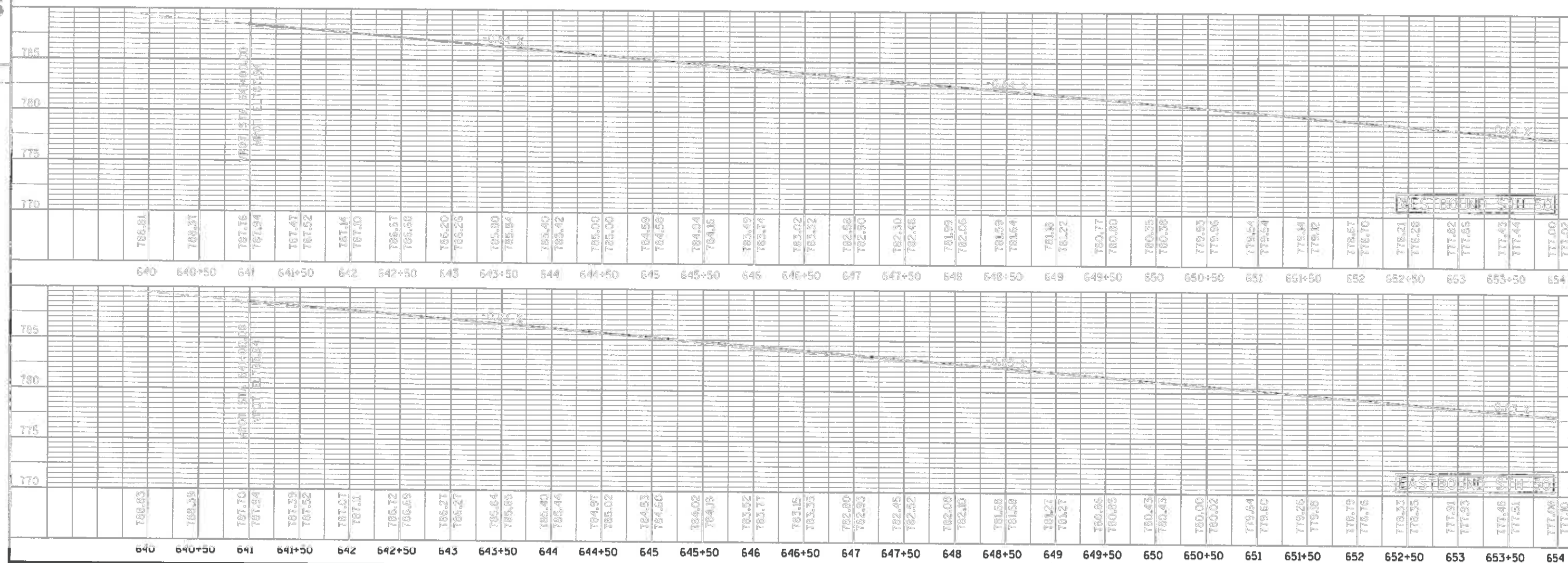
WISDOT/CAUUS SHEET 40



Asphalt Shoulder  
Reconstructed see  
(typ) note on sheet 106



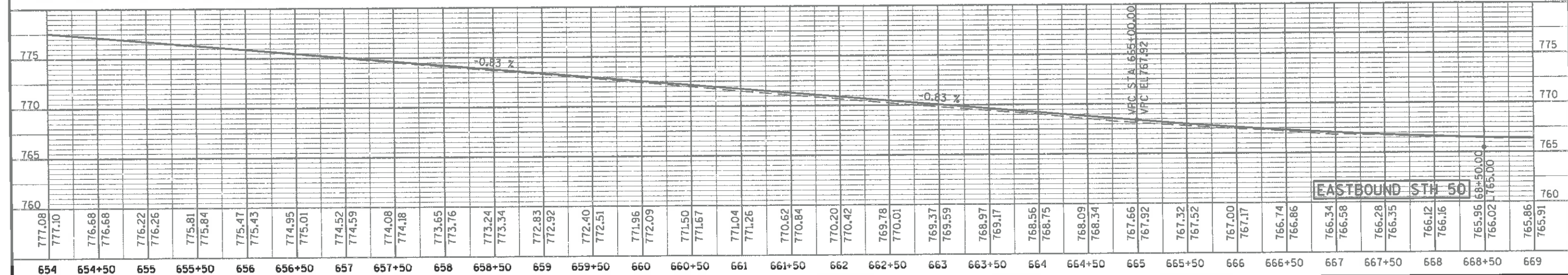
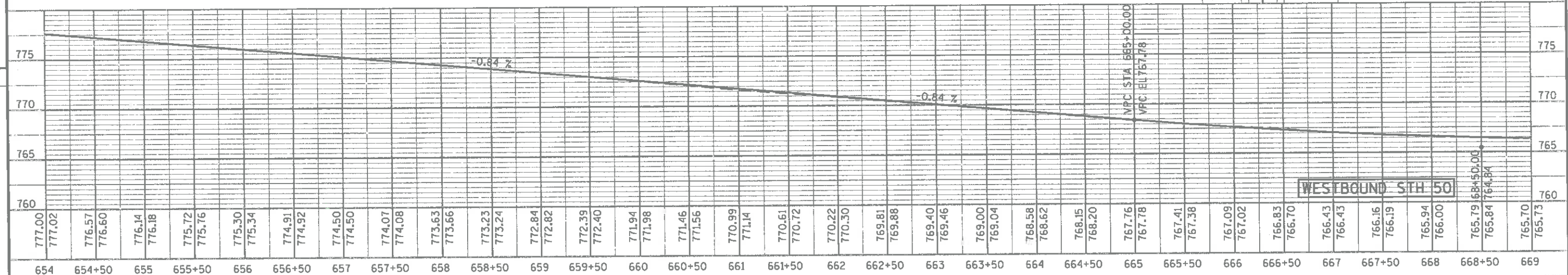
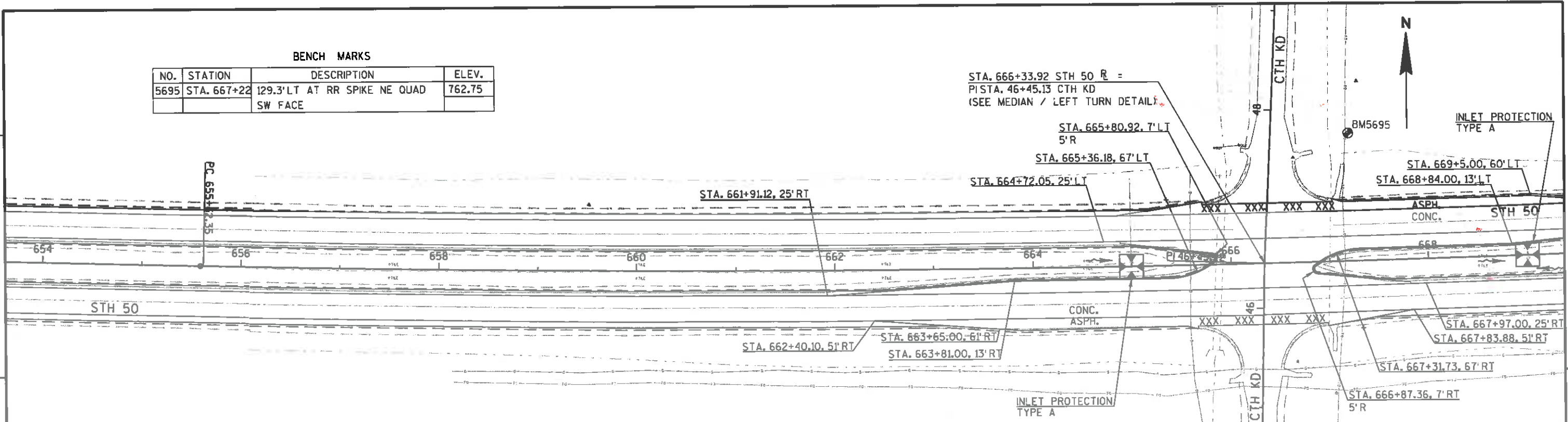
5

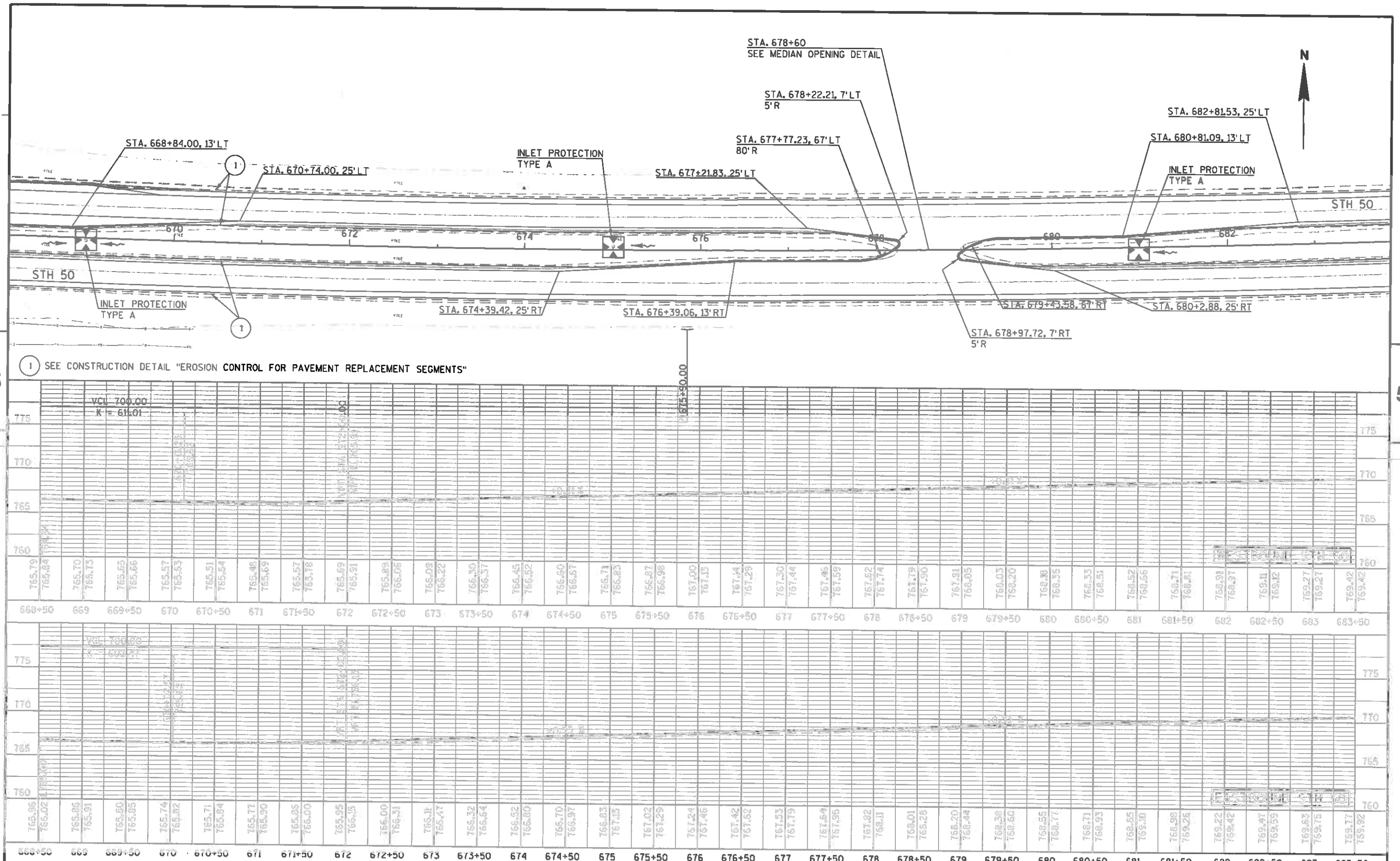


5

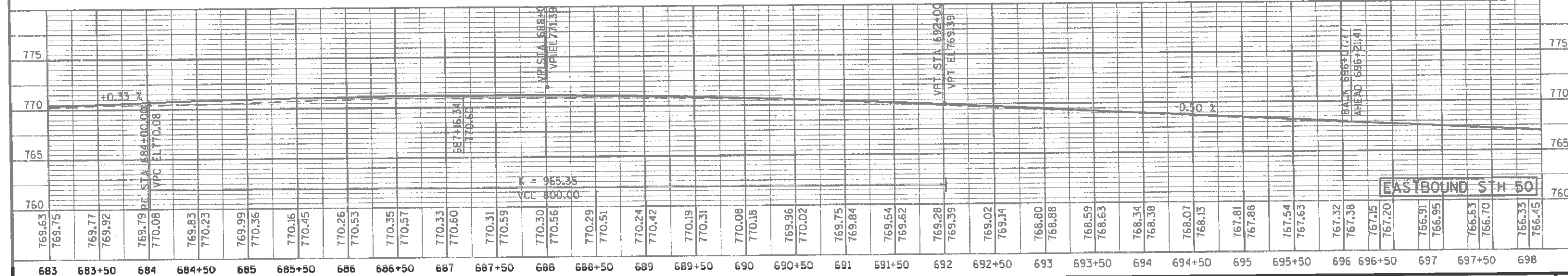
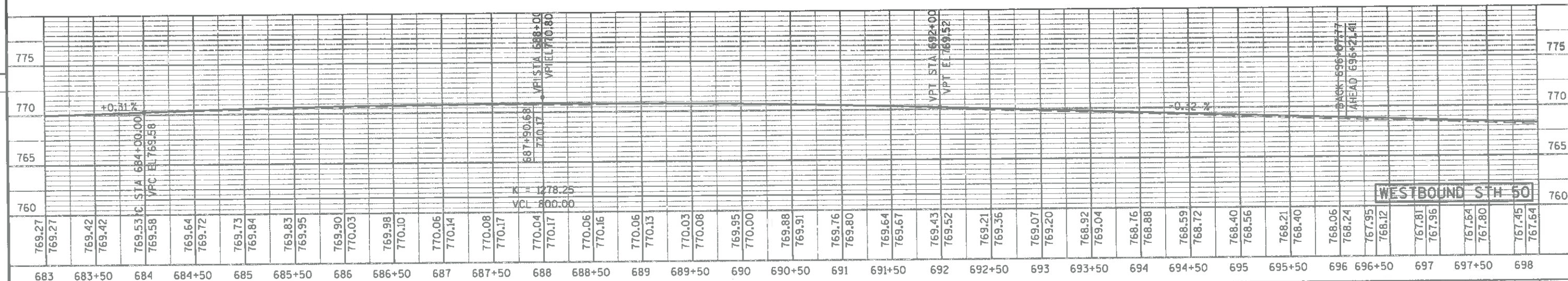
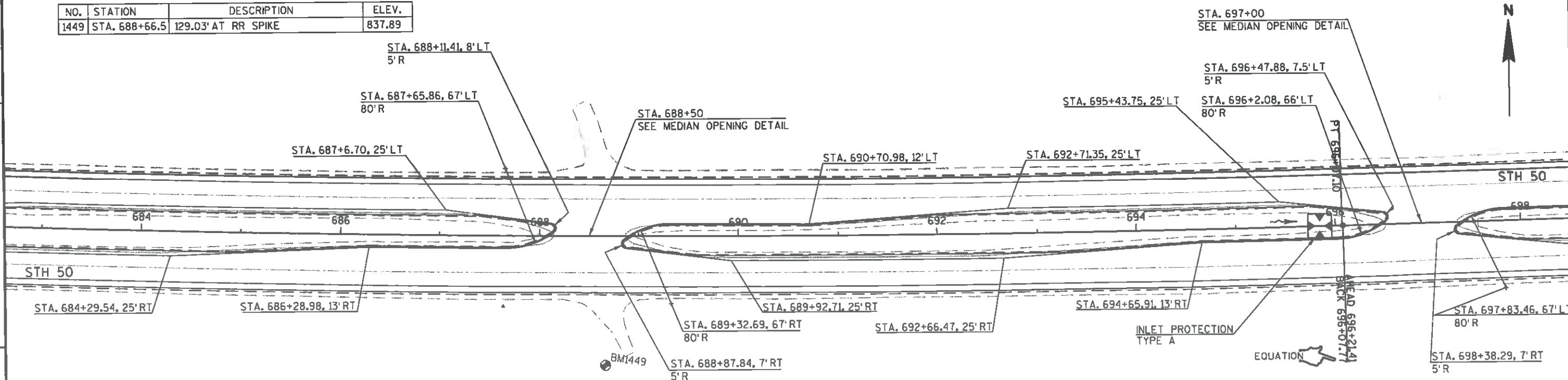
|                       |             |                 |                  |       |     |   |
|-----------------------|-------------|-----------------|------------------|-------|-----|---|
| PROJECT NO:1310-13-70 | HWY: STH 50 | COUNTY: KENOSHA | PLAN AND PROFILE | SHEET | 103 | E |
|-----------------------|-------------|-----------------|------------------|-------|-----|---|

| BENCH MARKS |             |                                       |        |
|-------------|-------------|---------------------------------------|--------|
| NO.         | STATION     | DESCRIPTION                           | ELEV.  |
| 5695        | STA. 667+22 | 129.3' LT AT RR SPIKE NE QUAD SW FACE | 762.75 |

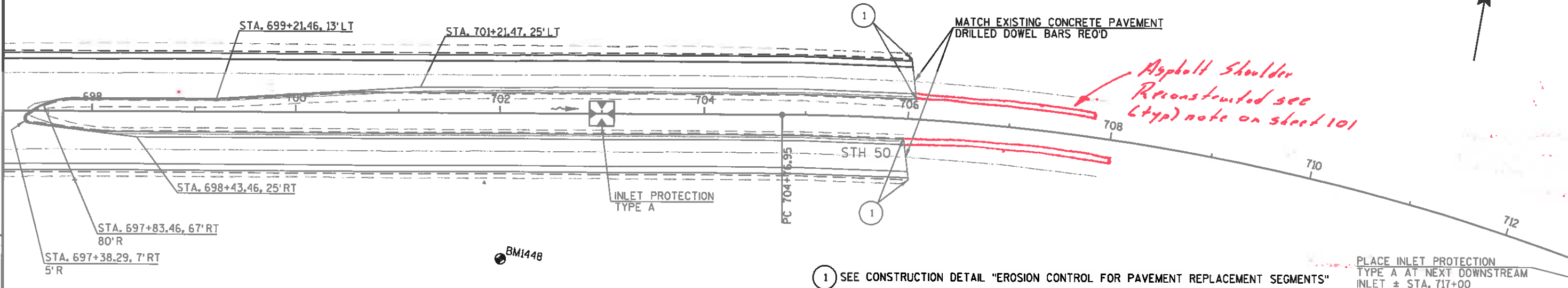




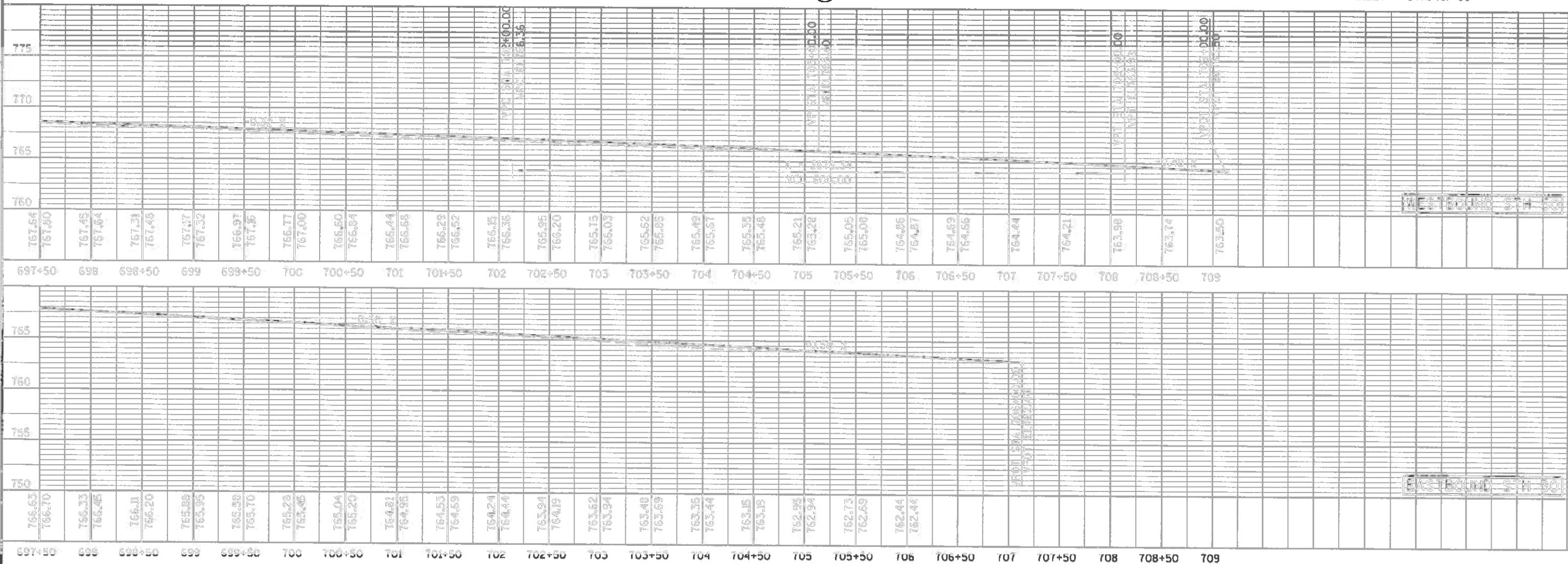
| BENCH MARKS |               |                     |        |
|-------------|---------------|---------------------|--------|
| NO.         | STATION       | DESCRIPTION         | ELEV.  |
| 1449        | STA. 688+66.5 | 129.03' AT RR SPIKE | 837.89 |

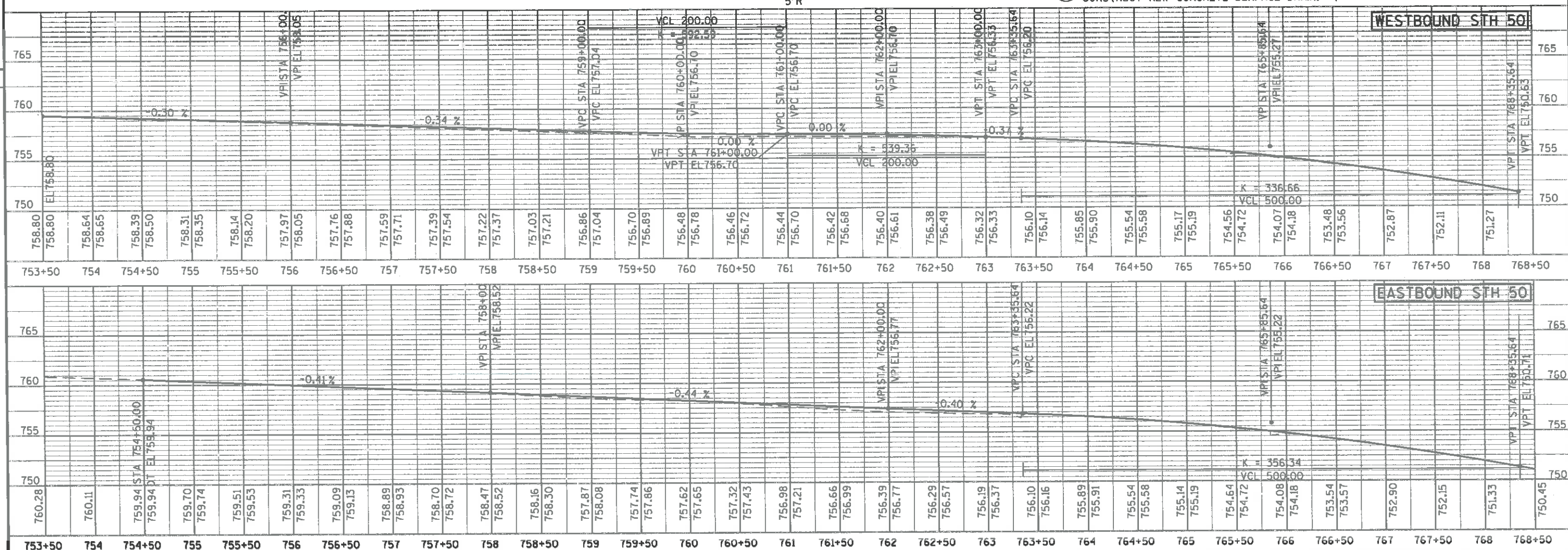
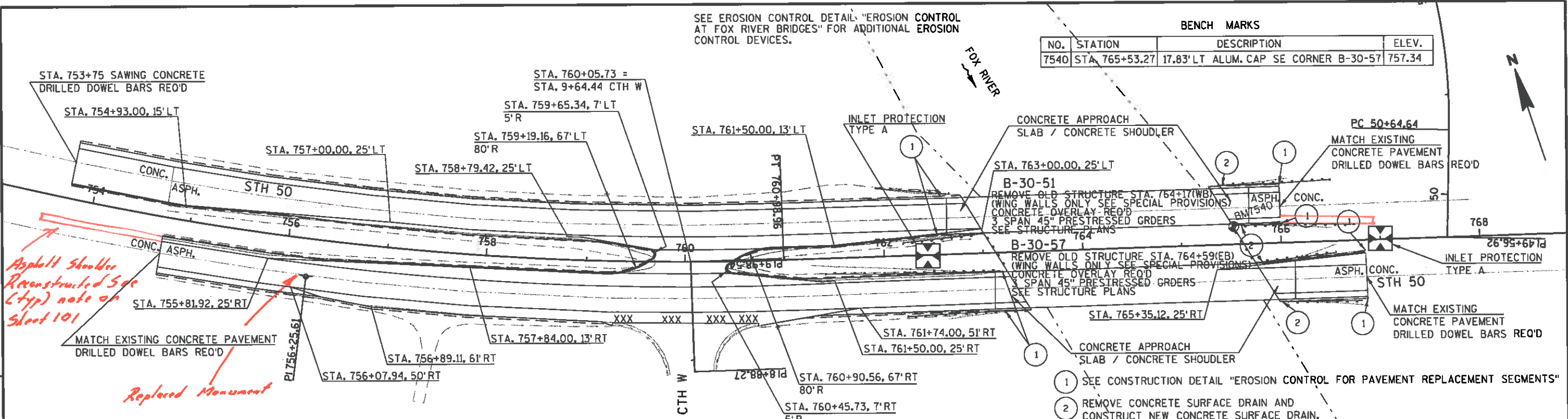


| BENCH MARKS |                |                                   |        |
|-------------|----------------|-----------------------------------|--------|
| NO.         | STATION        | DESCRIPTION                       | ELEV.  |
| 1448        | STA. 702+01.15 | 141.3' RT RR SPIKE TWIN & DOGWOOD | 756.07 |



1 SEE CONSTRUCTION DETAIL "EROSION CONTROL FOR PAVEMENT REPLACEMENT SEGMENTS"

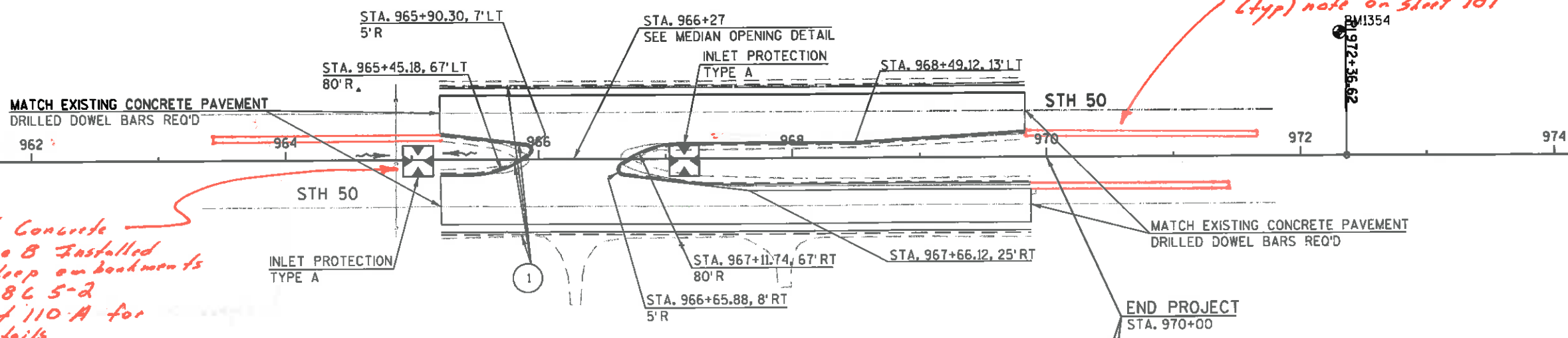






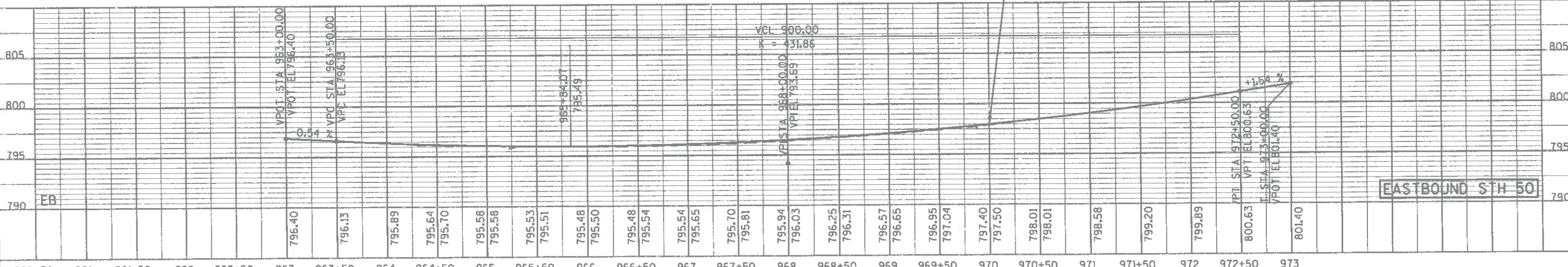
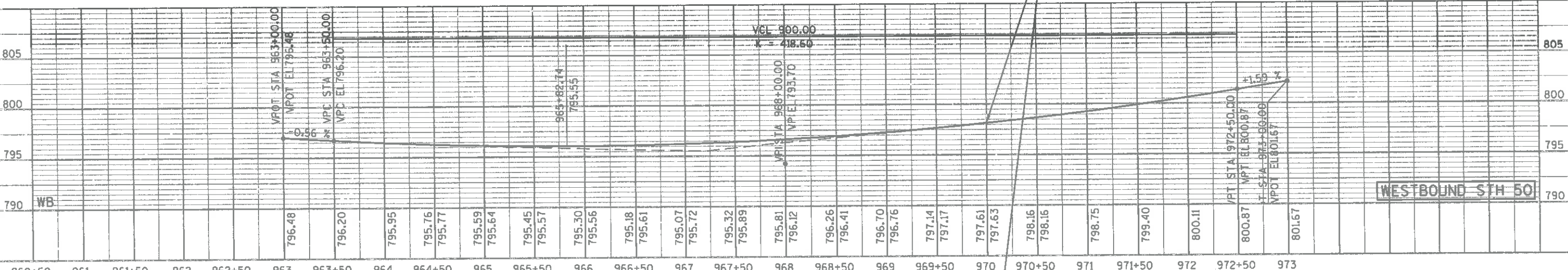
| BENCH MARKS |                |                            |        |
|-------------|----------------|----------------------------|--------|
| NO.         | STATION        | DESCRIPTION                | ELEV.  |
| 1354        | STA. 972+31.84 | 96.66' LT RR SPIKE SW FACE | 801.54 |

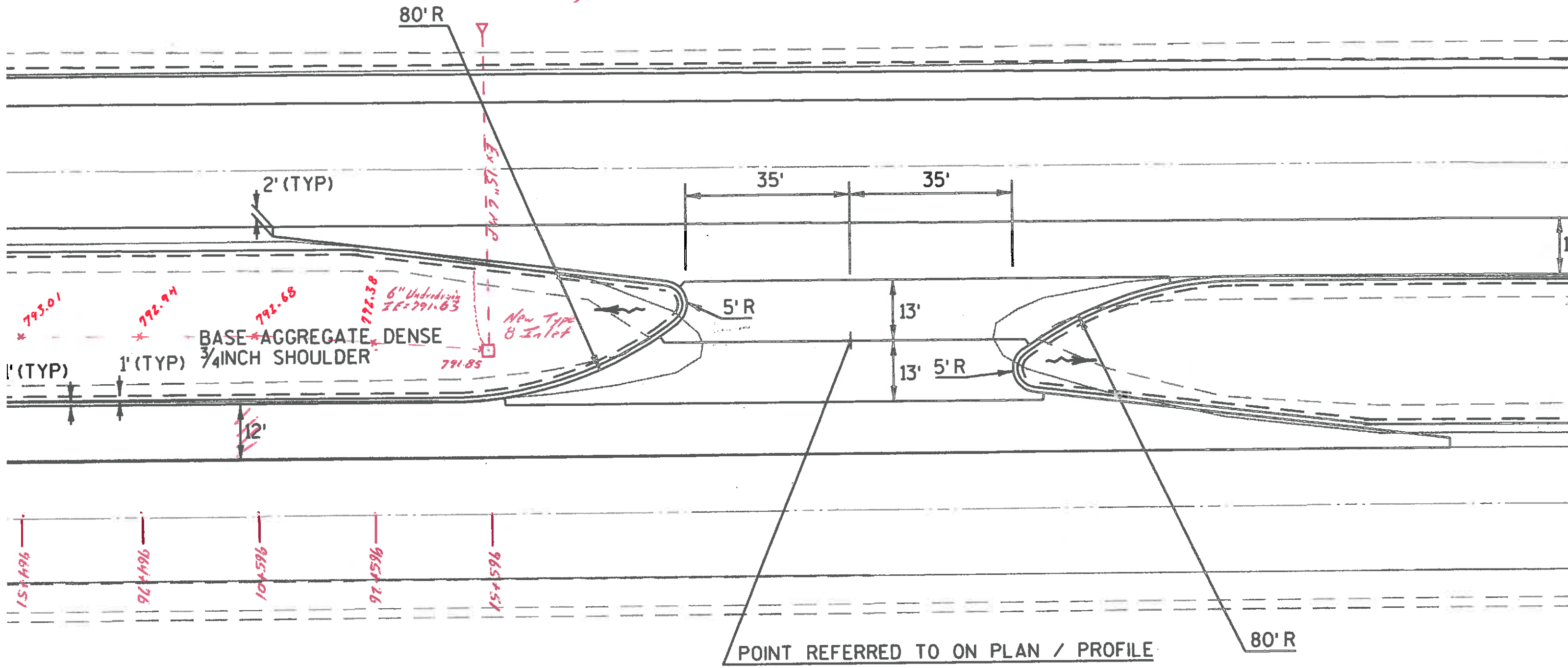
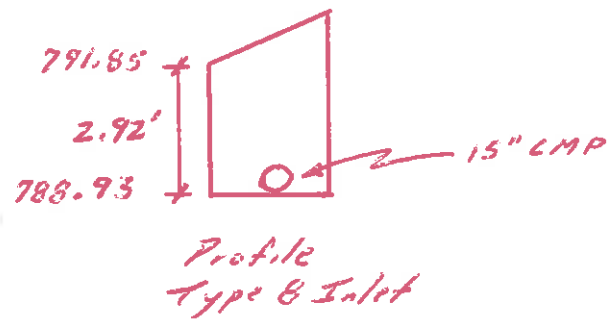
Asphalt Shoulder  
Reconstructed see  
(typ) note on sheet 101



Reinforced Concrete  
Inlet Type B Installed  
due to steep embankments  
per S.D.D. 86 5-2  
See sheet 110-A for  
More Details

1 SEE CONSTRUCTION DETAIL "EROSION CONTROL FOR PAVEMENT REPLACEMENT SEGMENTS"







REMOVE BEAM GUARD  
INSTALL EAT

STH 50

728+00

729+00

730+00

731+00

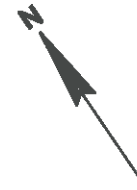
732+00

733+00

REMOVE BEAM GUARD  
INSTALL EAT

REMOVE BEAM GUARD  
INSTALL EAT

REMOVE BEAM GUARD  
INSTALL TYPE 2 ANCHOR



5

STH 50

INSTALL THRIE BEAM STRUCTURAL APPROACH

INSTALL BEAM GUARD CLASS A

5

PT 760+98.96

761+00

762+00

763+00

764+00

765+00

766+00

767+00

INSTALL THRIE BEAM STRUCTURAL APPROACH

REMOVE BEAM GUARD  
INSTALL EAT

REMOVE BEAM GUARD  
INSTALL TYPE 2 ANCHOR

5

5



REMOVE BEAM GUARD  
INSTALL TYPE 2 ANCHOR

REMOVE BEAM GUARD  
ANCHOR INSTALL EAT

STH 50

STH 50

PI 10+37.00

PC 793+13.53

10+00

317TH AVE

PROJECT NO:1310-13-70

HWY: STH 50

COUNTY: KENOSHA

PLAN DETAIL

SHEET

E

FILE NAME : J:\projects\02\_13101350\051218\_PD.dgn

PLOT DATE : 01-DEC-2009 09:05

PLOT BY : dotshw

PLOT NAME :

PLOT SCALE : 40:1

113  
WISDOT/CADD SHEET 44



REMOVE BEAM GUARD

REMOVE BEAM GUARD  
INSTALL EAT

WISCONSIN  
(CANADIAN NATIONAL)

00+15

PI 796+69.79

STH 50

795+00

796+00

798+00

799+00

800+00

PI 50+00.00

PI 800+25.51

INSTALL THREE BEAM  
STRUCTURAL APPROACH

WISCONSIN CENTRAL LTD  
(CANADIAN NATIONAL)

5

5

PROJECT NO: 1310-13-70

HWY: STH 50

COUNTY: KENOSHA

PLAN DETAIL

SHEET

E

FILE NAME : j:\projects\02\_13101350\051219\_PD.dgn

PLOT DATE : 01-DEC-2009 09:05

PLOT BY : dotshw

PLOT NAME :

PLOT SCALE : 40:1

114  
WISDOT/CAUDS SHEET 44



REMOVE BEAM GUARD  
INSTALL EAT

STH 50

806+00

807+00

808+00

809+00

810+00

811+00

PC 809+97.17

REMOVE BEAM GUARD  
INSTALL TYPE 2 ANCHOR

PROJECT NO: 1310-13-70

HWY: STH 50

COUNTY: KENOSHA

PLAN DETAIL

SHEET

5

5

FILE NAME : j:\projects\02\_13101350\051221\_PD.dgn

PLOT DATE : 01-DEC-2009 09:05

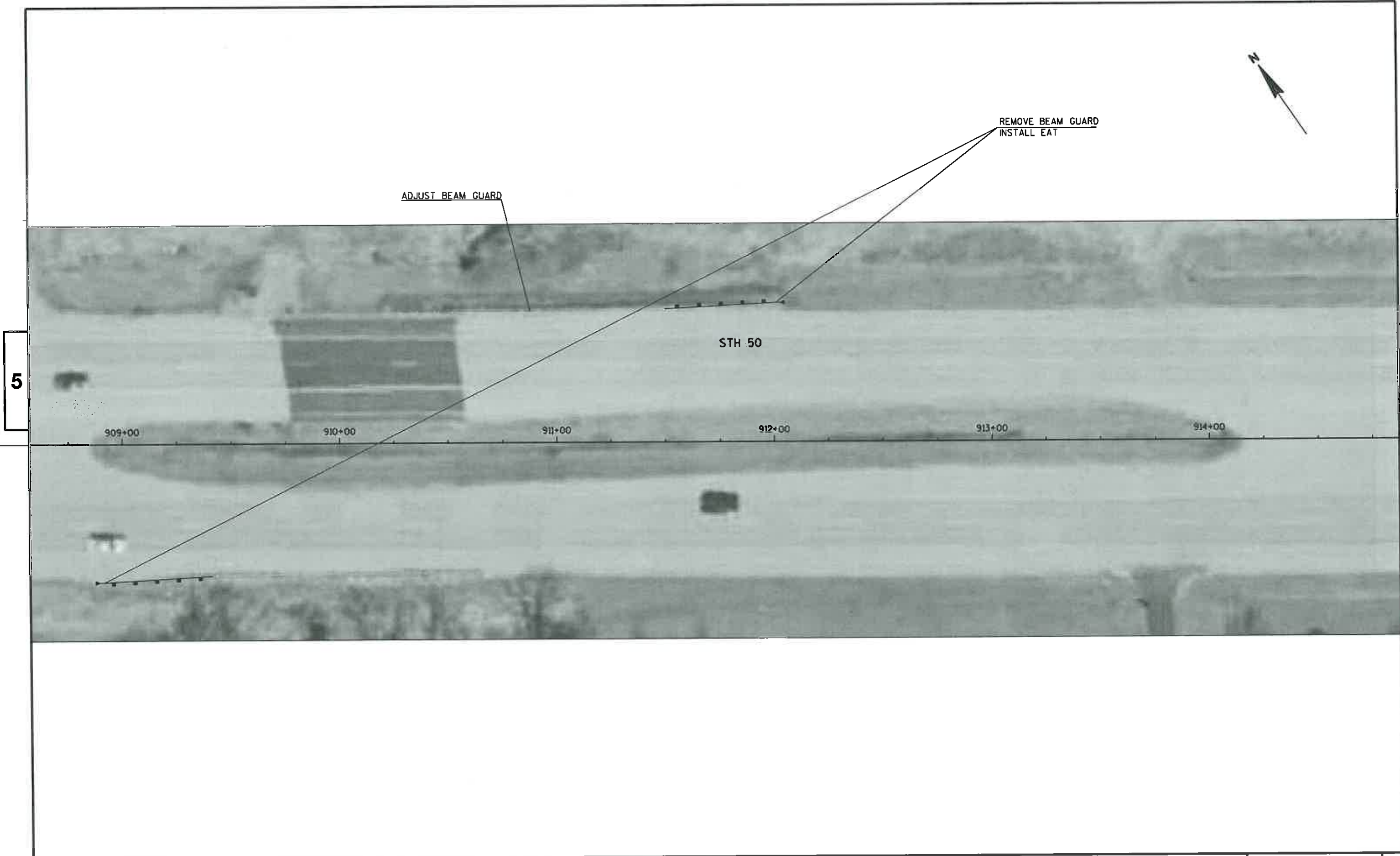
PLOT BY : dotshw

PLOT NAME :

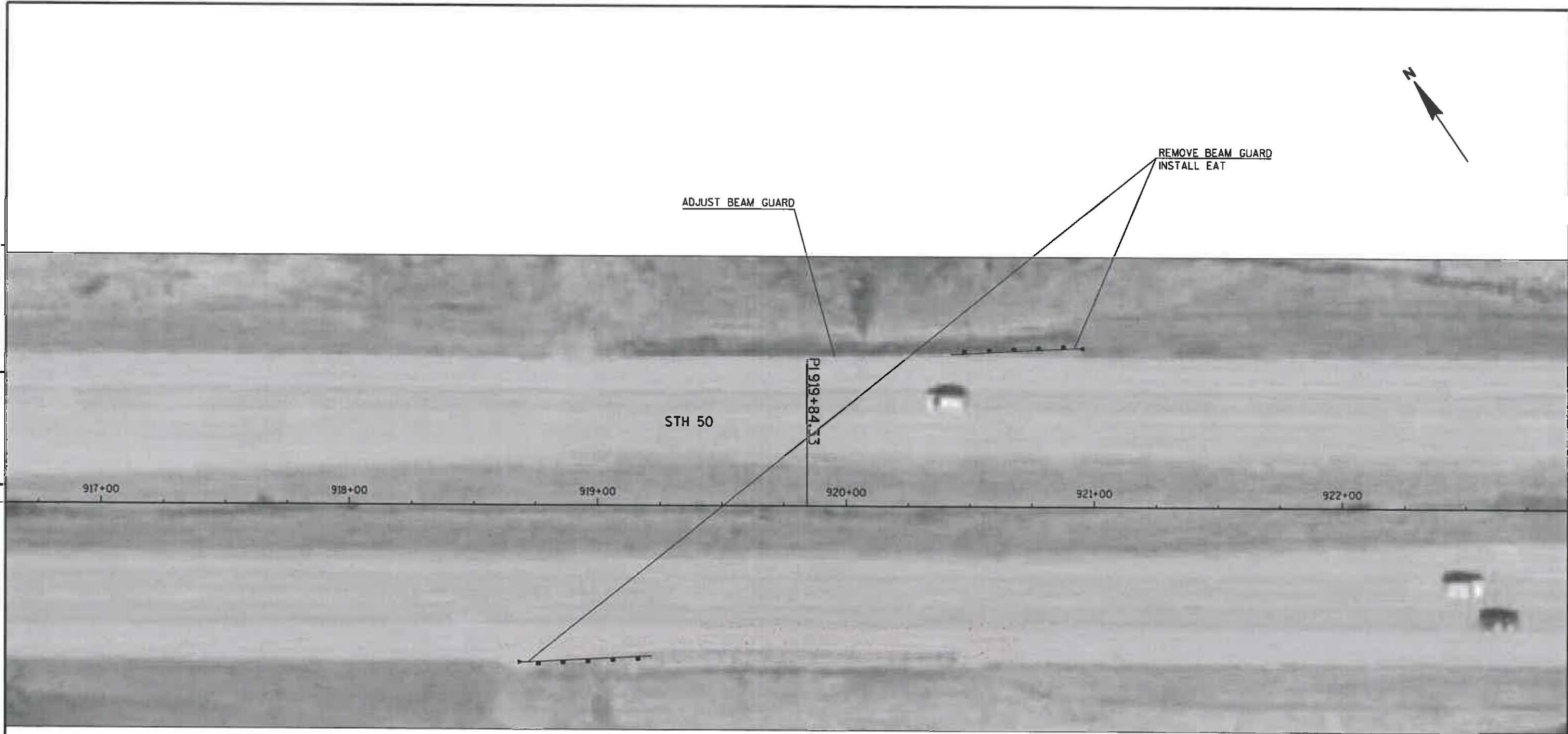
PLOT SCALE : 40:1

115  
WISDOT/CADDIS SHEET 44

E



5



5